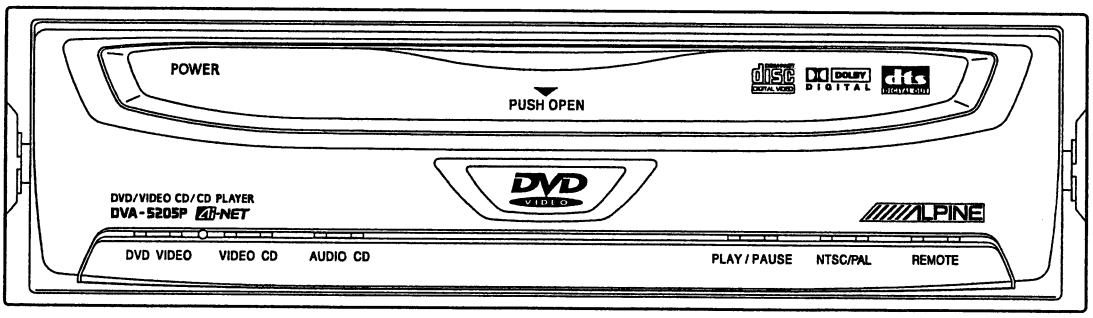
ALPINE

SERVICE MANUAL

DVD/VIDEO CD/CD PLAYER



DVA-5205P

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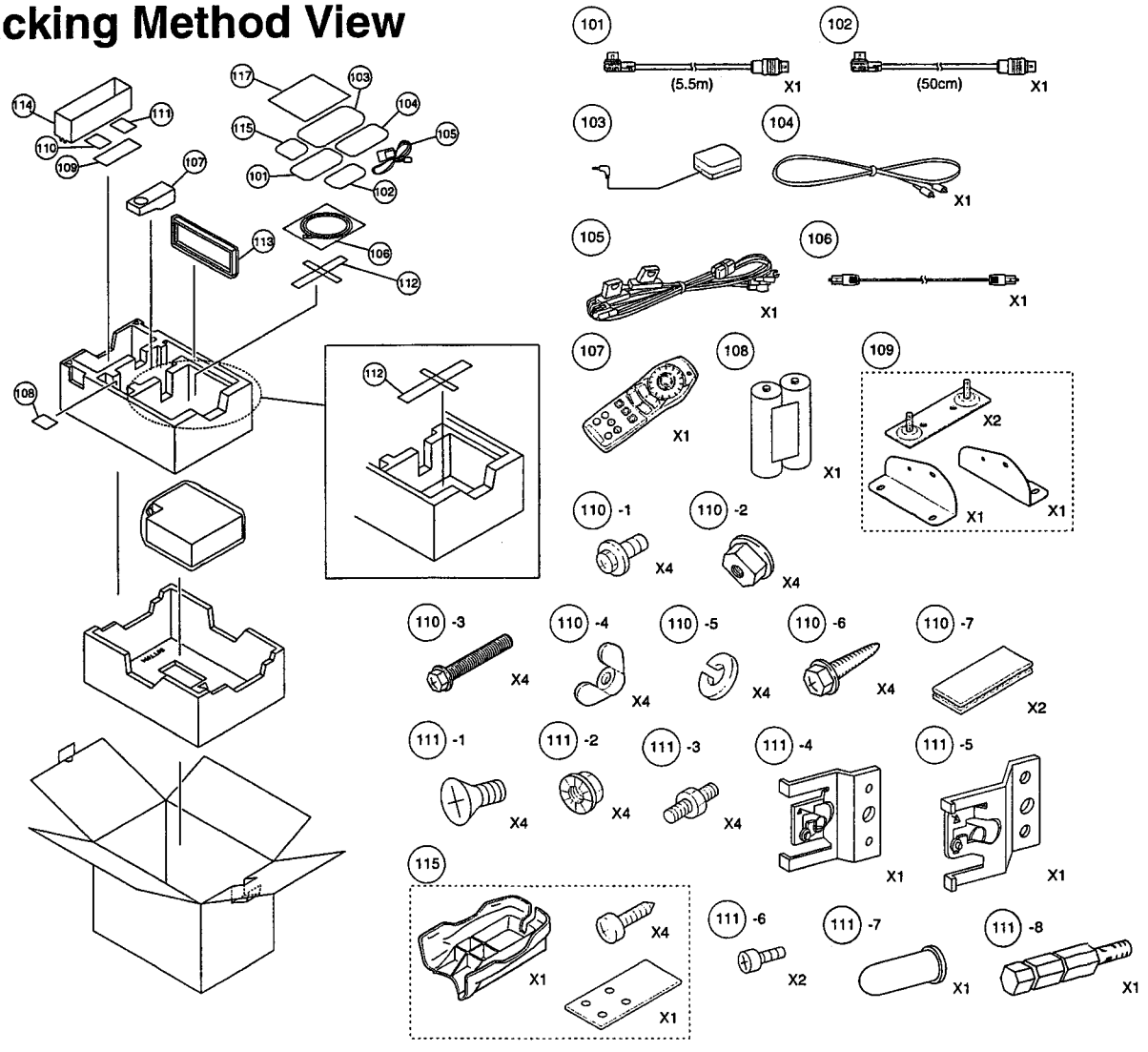
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101	01T55561W37	ASSY,DIN(AINET/5500)
102	01T55561W35	ASSY,DIN S/L B/B 500
103	01T15694Y04	ASSY,REMO L-JACK
104	01T25634Y01	ASSY,WIRE VIDEO
105	01T25635Y02	ASSY,WIRE POWER(+B)
106	01T45196W02	ASSY,CABLE OPT 5000
107	01T25013Y08	UNIT,REMOCON RUE4168
108	60T55629W01	BAT,MGN R6P(NB)SUM-3
109	01B81279W01	ASSY,BKT
110-1	03D40121T67	SCR,MCH(W/W)M5X10
110-2	02B47353F06	NUT,HEX(FLANGE) M6
110-3	03B90962F03	BOLT,HEX M6X50
110-4	02A44071U02	WING,NUT (M6)
110-5	04S40071G22	WASHERS,SPRING LOCK
110-6	03S63857F05	SCR,TPG M5X15

Symbol No.	Part No.	Description
110-7	75T58346F01	PAD,MAGIC TAPE
111-1	03S72235F13	SCR,MCH M5X8 FLAT
111-2	02B47353F01	NUT,HEX M5
111-3	46A42363F01	STUD,BOLT
111-4	07D91595W01	BKT,SIDE ASSY
111-5	07D91595W02	BKT,SIDE(R) ASSY
111-6	03S44205G29	SCR,T-TITE M2.6X6
111-7	36A11113W01	CAP,RUBBER (A)
111-8	03A11112W01	BOLT,HEX. M5 (A)
112	07B64552F01	BRKT,STRAP RECEIVER
113	33C91124W01	FACE,PLATE
114	15D50406W01	CASE,INNER
115	15T25003Y02	HOLDER,REMOCON DVD2
117-1	68P30540Y28	O/M AOEU
117-2	68P30540Y58	O/M -IGS AOEU

Packing Method View



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Specifications

<AUDIO>

Output Level (PREOUT 10k ohm, 1kHz) ..... CD (TCD-782) : 850±50mVrms
VCD (TVD-581A) : 850±50mVrms
DVD (TDV-540) : 850±50mVrms

Channel Balance (PREOUT 10k ohm, 1kHz) ..... CD (TCD-782) : 0±3dB
VCD (TVD-581A) : 0±3dB
DVD (TDV-540) : 0±3dB

T.H.D. (PREOUT 10k ohm, 1kHz) ..... CD (TCD-782) : 0.5%
VCD (TVD-581A) : 0.5%
DVD (TDV-540, 48kHz sample) : 0.5%

Frequency Response (PREOUT 10k ohm, Ref. 1kHz) ..... CD (TCD-782) : 17Hz : 0±2dB
127Hz : 0±2dB
10.007kHz : 0±2dB
19.997kHz : 0±2dB
VCD (TVD-581A) : 21Hz : 0±2dB
127Hz : 0±2dB
10.007kHz : 0±2dB
19.997kHz : 0±2dB
DVD (TDV-540, 96kHz sample) : 17Hz : 0±2dB
127Hz : 0±2dB
19.997kHz : 0±2dB
43.997kHz : -1±2dB

S/N Ratio (PREOUT 10k ohm, 1kHz) ..... CD (TCD-782) : 70dB
VCD (TVD-581A) : 70dB
DVD (TDV-540, 48kHz sample) : 70dB

Separation (PREOUT 10k ohm, 1kHz) ..... CD (TCD-782) : 50dB
VCD (TVD-581A) : 50dB
DVD (TDV-540) : 50dB

De-Emphasis (PREOUT 10k ohm, Ref. 1kHz) ..... CD (TCD-782) : 4kHz : -20±3dB
16kHz : -20±3dB

<VIDEO>

Signal system ..... PAL System

Flash signal Output Voltage ..... VCD (HLV-402) : 1±0.1V
DVD (DVD-NF200) : 1±0.1V

Flash signal Frequency Response ..... VCD (HLV-402) : 2MHz : 2±2dB
DVD (DVD-NF200) : 6MHz : 4±2dB

Flash signal S/N Ratio ..... VCD (HLV-402) : 45dB
DVD (DVD-NF200) : 55dB

<GENERAL>

Power Supply ..... DC 14.4V (11~16V allowable)

Active Temperature ..... -20℃ ~ +60℃

Dark Current 5mA

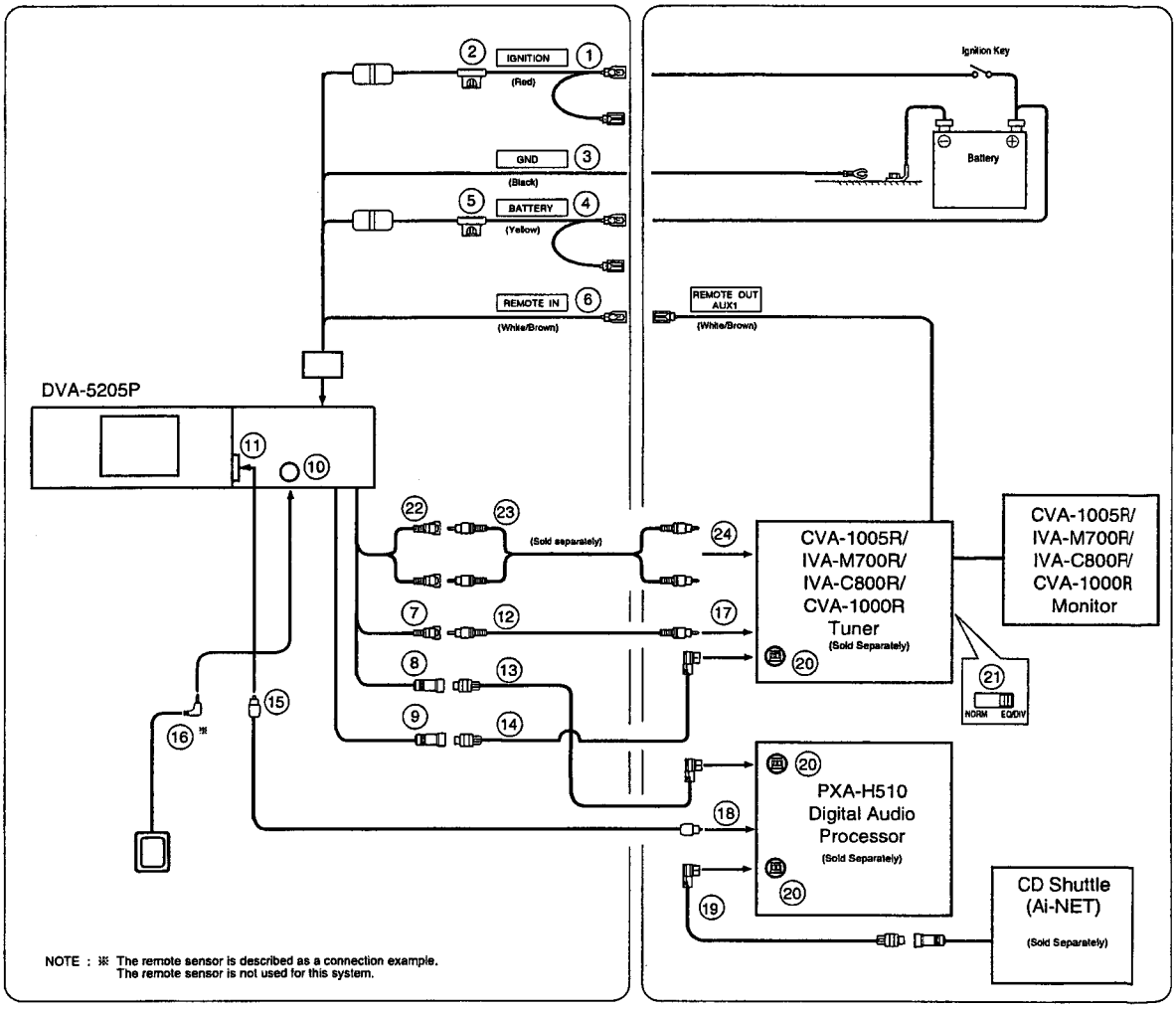
Dimensions (W×H×D) ..... Nose : 170×46×22.9mm
Chassis : 178×50×166mm

Weight 1.6kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

System Connections

● **Connect AV head unit/digital audio processor that supports Ai-NET.**



① Switched Power Lead (Red)
② Fuse Holder (1A)
③ Ground Lead (Black)
④ Battery Lead (Yellow)
⑤ Fuse Holder (5A)
⑥ Remote Control Input Lead (White/Brown)
⑦ Video Output Connector
⑧ Ai-NET Connector (Black)
⑨ Ai-NET Connector (Gray)
⑩ Remote Control Eye Jack
⑪ Digital Output Terminal (Optical)
⑫ RCA Extension Cable (Included with DVD video player)
⑬ Ai-NET Cable 5.5m (Included with DVD video player)
⑭ Ai-NET Cable 50cm (Included with DVD video player)
⑮ Fiber Optic Cable (Included with DVD video player)
⑯ Remote sensor
⑰ AUX Video Input (AUX1) Terminal
⑱ Digital Input Terminal (Optical)
⑲ Ai-NET Cable (Included with CD Shuttle)
⑳ Ai-NET Connector
㉑ System Switch
㉒ Audio Output Connector
㉓ RCA Extension Cable (Sold separately)
㉔ AUX Audio Input (AUX1) Terminal

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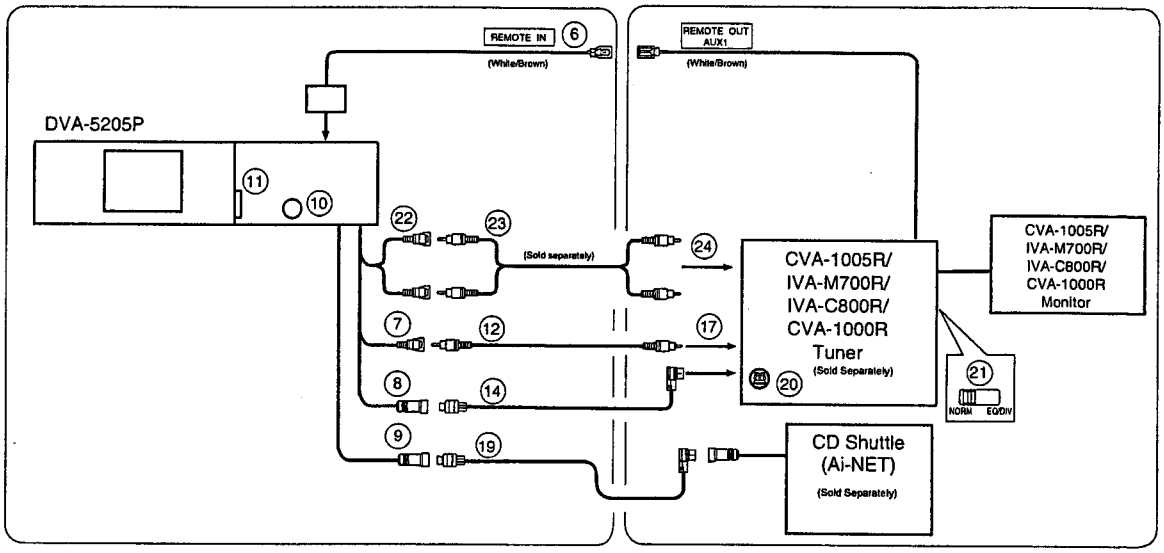
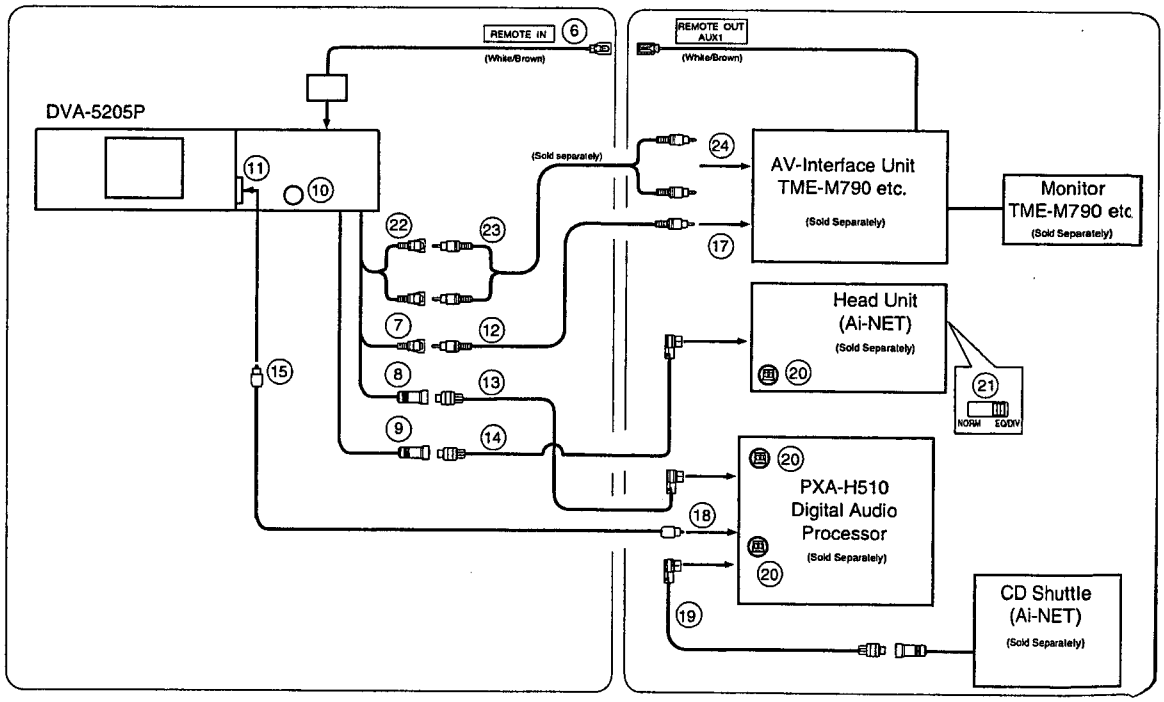
● Connect AV head unit that supports Ai-NET.



⑥ Remote Control Input Lead (White/Brown)
⑦ Video Output Connector
⑧ Ai-NET Connector (Black)
⑨ Ai-NET Connector (Gray)
⑩ Remote Control Eye Jack
⑪ Digital Output Terminal (Optical)
⑫ RCA Extension Cable (Included with DVD video player)
⑭ Ai-NET Cable 50cm (Included with DVD video player)
⑰ AUX Video Input (AUX1) Terminal
⑲ Ai-NET Cable (Included with CD Shuttle)
⑳ Ai-NET Connector
㉑ System Switch
㉒ Audio Output Connector
㉓ RCA Extension Cable (Sold separately)
㉔ AUX Audio Input (AUX1) Terminal

● Connect Head unit/TV monitor/digital audio processor that supports Ai-NET.



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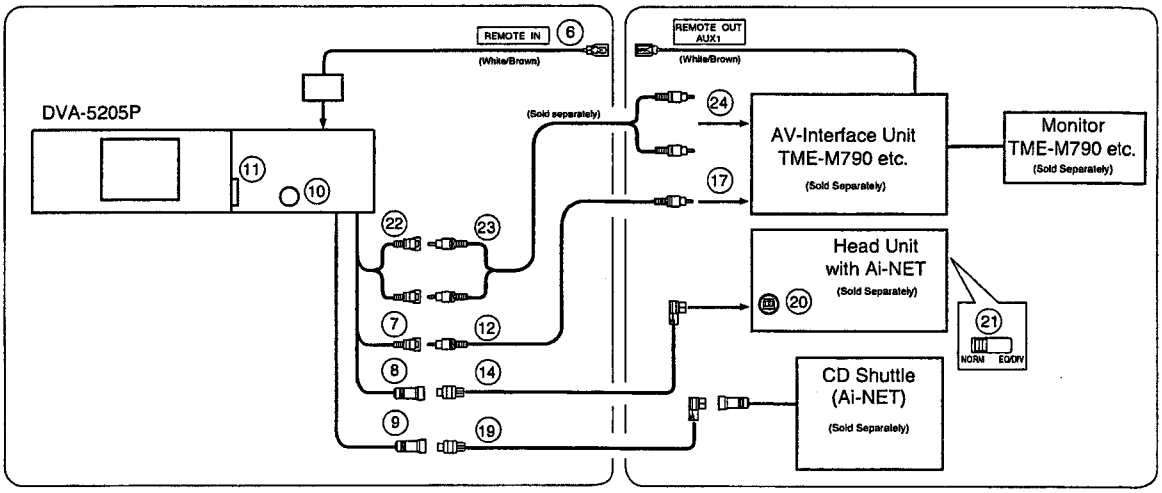
㉑ System Switch
㉒ Audio Output Connector
㉓ RCA Extension Cable (Sold separately)
㉔ AUX Audio Input (AUX1) Terminal

● Connect Head unit/TV monitor that supports Ai-NET.



⑥ Remote Control Input Lead (White/Brown)
⑦ Video Output Connector
⑧ Ai-NET Connector (Black)
⑨ Ai-NET Connector (Gray)
⑩ Remote Control Eye Jack
⑪ Digital Output Terminal (Optical)
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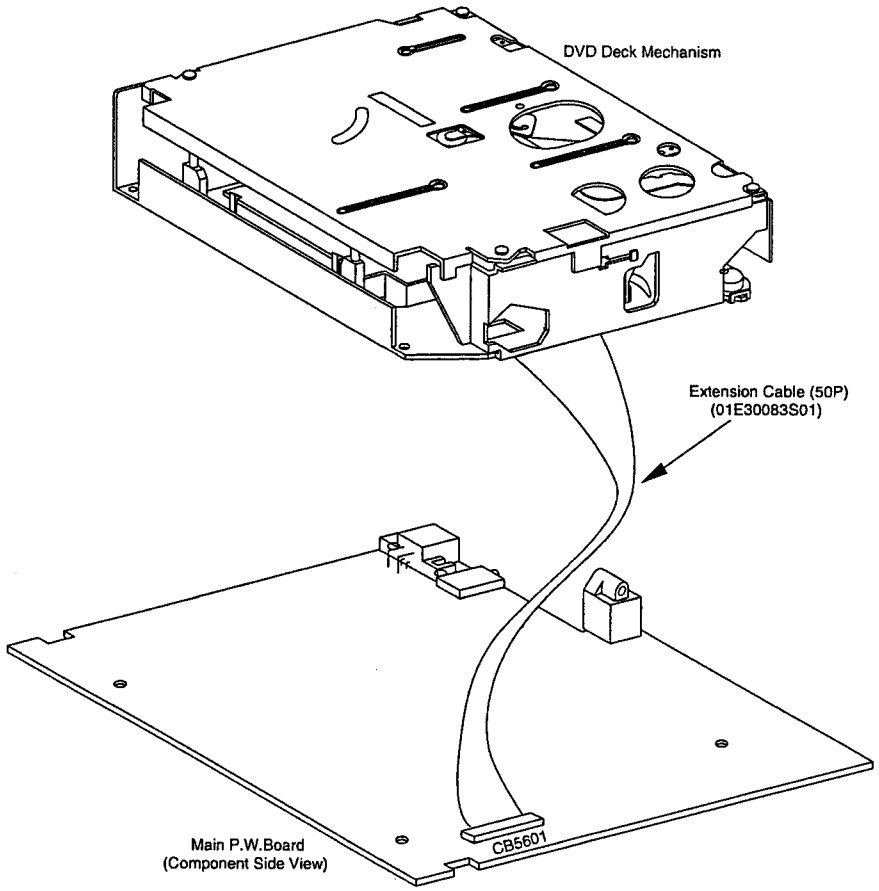
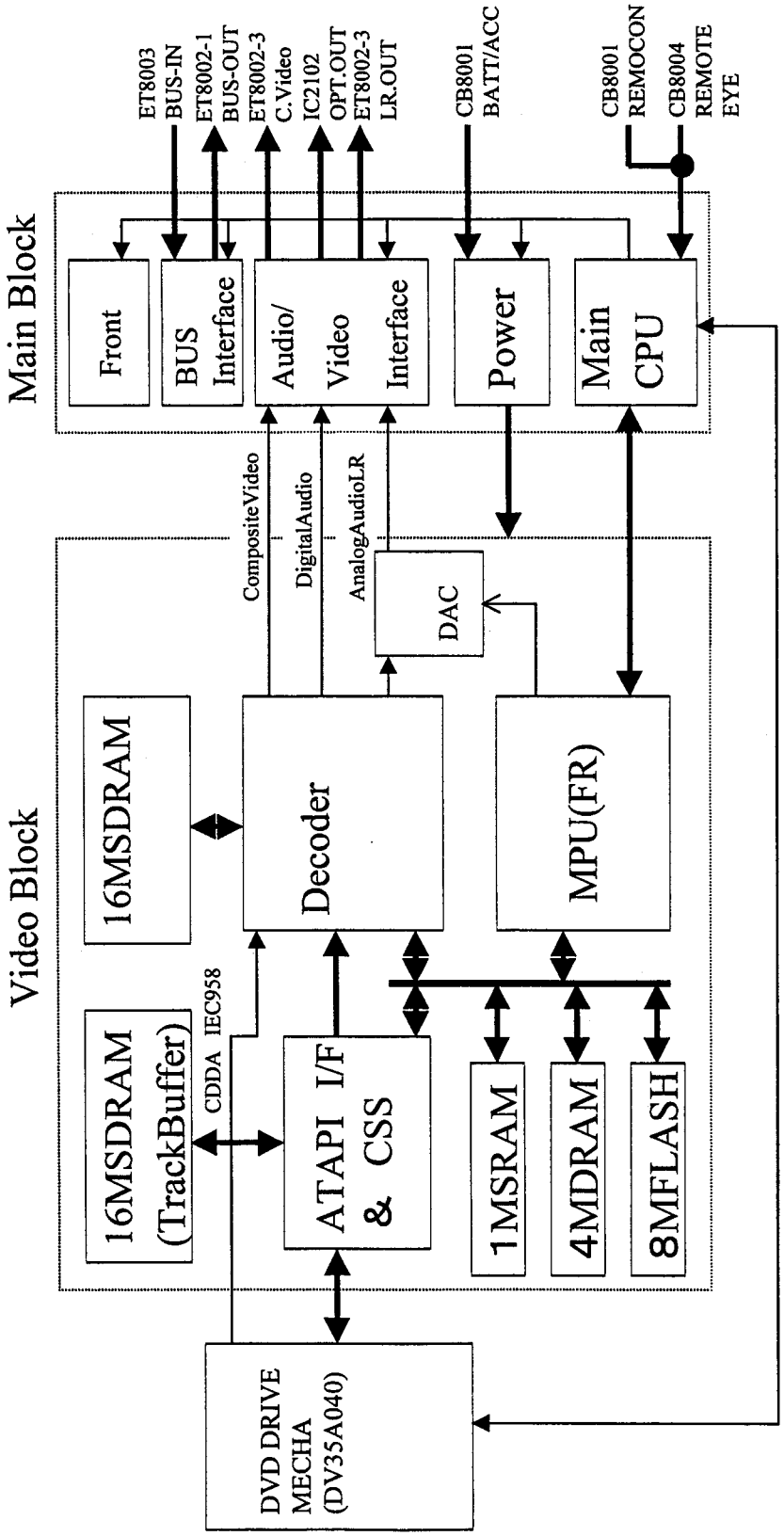
⑭ Ai-NET Cable 50cm (Included with DVD video player)
⑰ AUX Video Input (AUX1) Terminal
⑲ Ai-NET Cable (Included with CD Shuttle)
⑳ Ai-NET Connector
㉑ System Switch
㉒ Audio Output Connector
㉓ RCA Extension Cable (Sold separately)
㉔ AUX Audio Input (AUX1) Terminal

Extension Cable

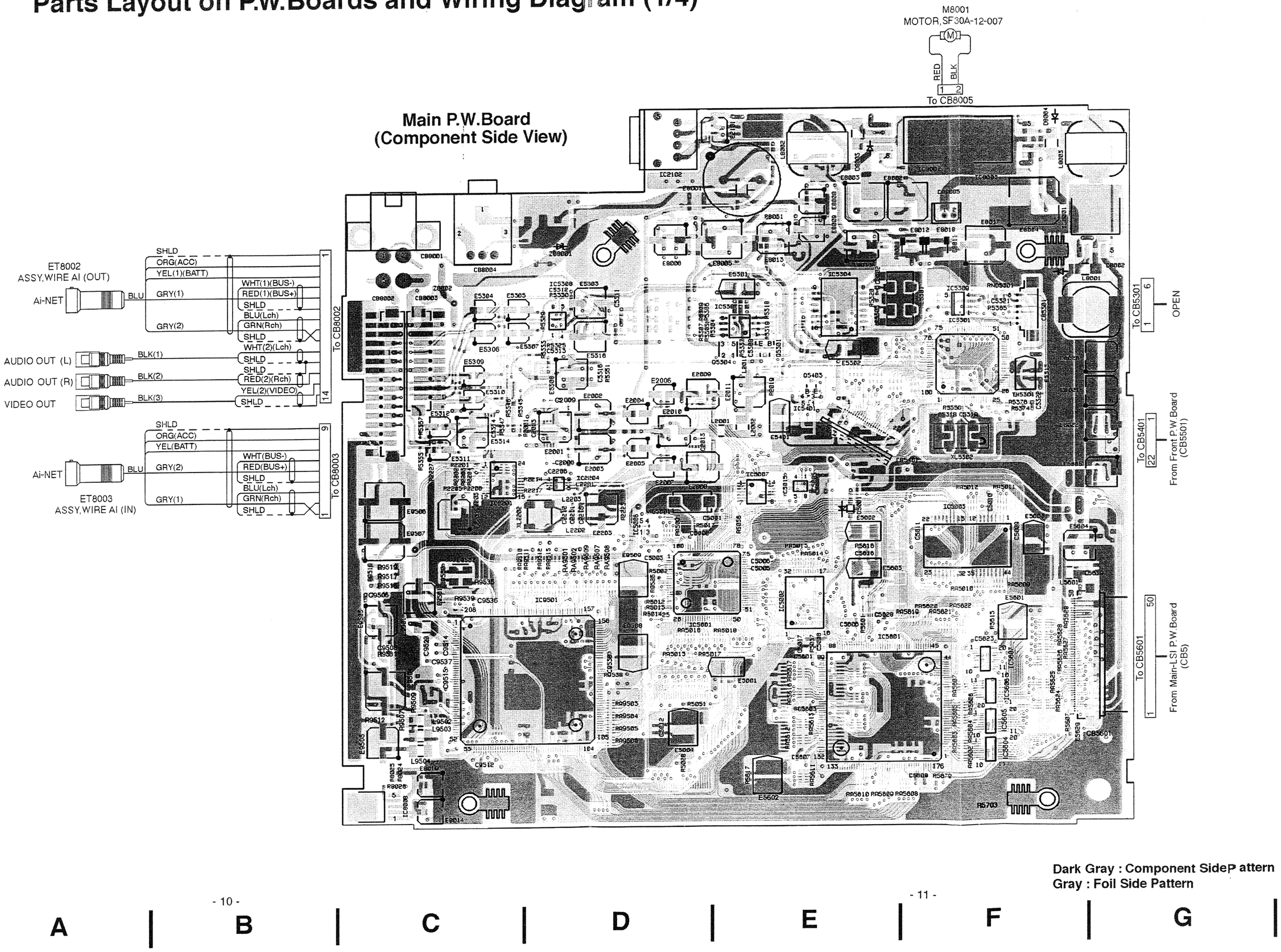
- When repairing or measuring the voltage of this unit, connect with the Extension Cable as shown in below.



Block Diagram



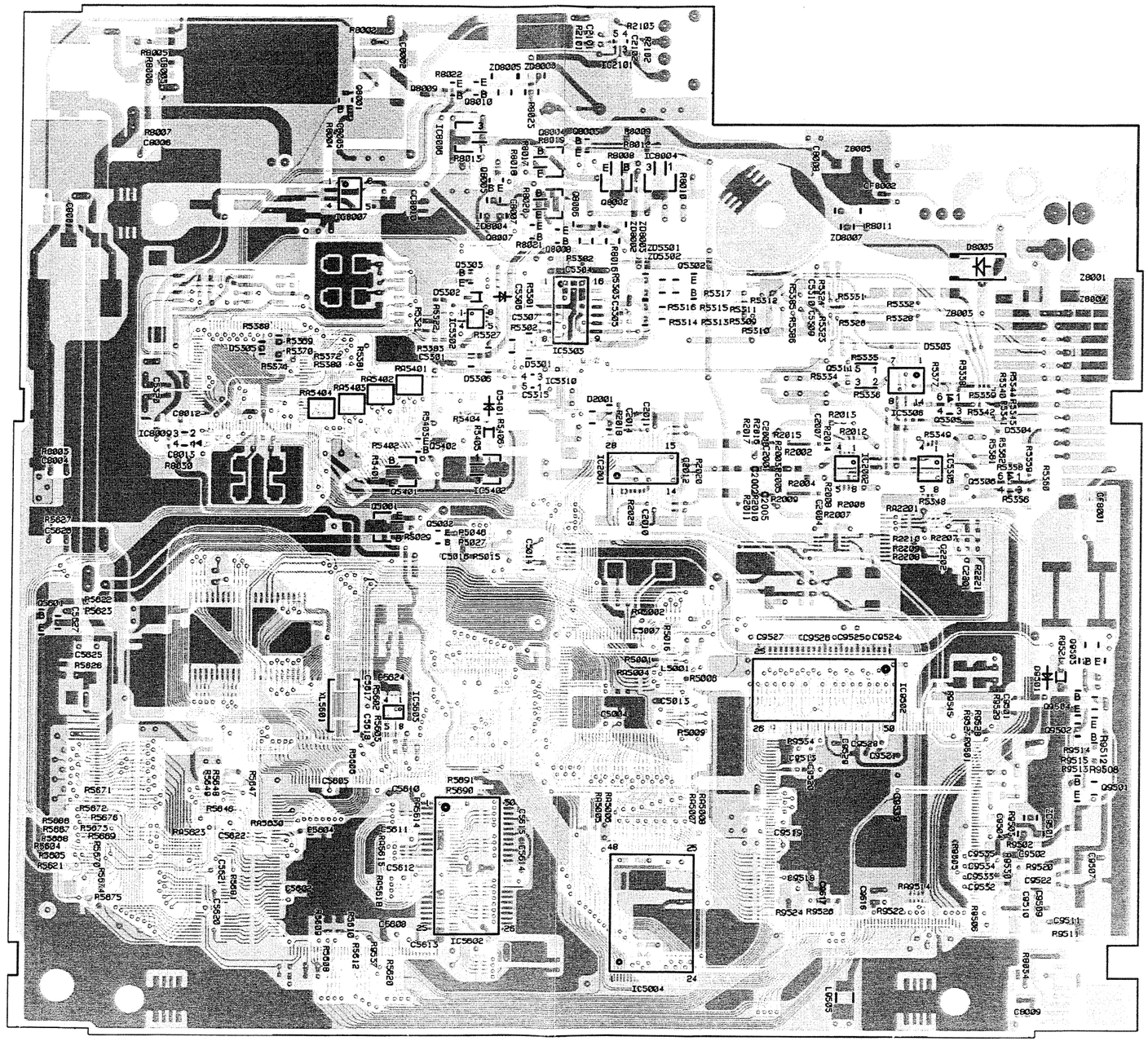
Parts Layout on P.W.Boards and Wiring Diagram (1/4)



Dark Gray : Component SideP attern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (2/4)

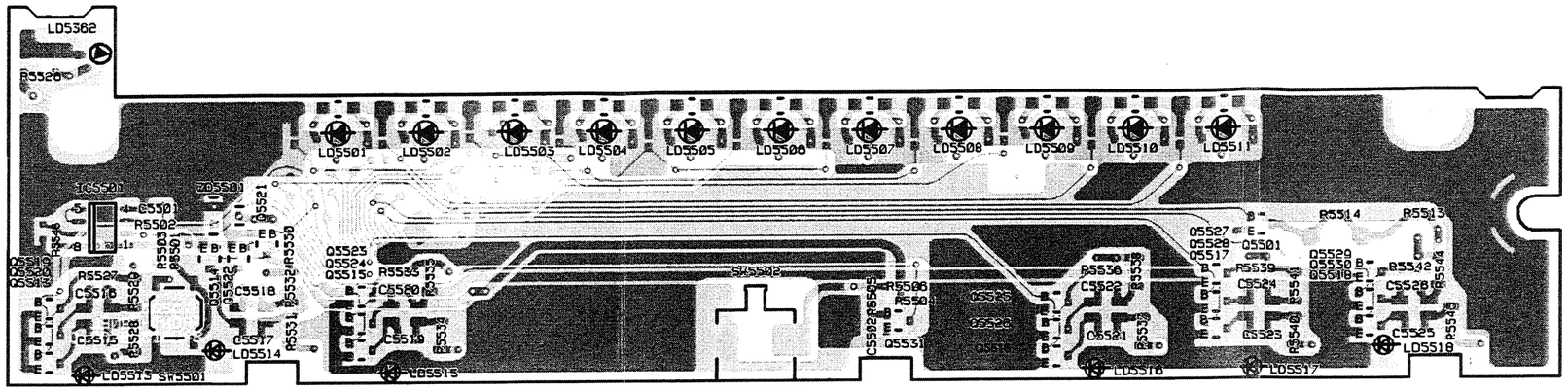
Main P.W.Board (Foil Side View)



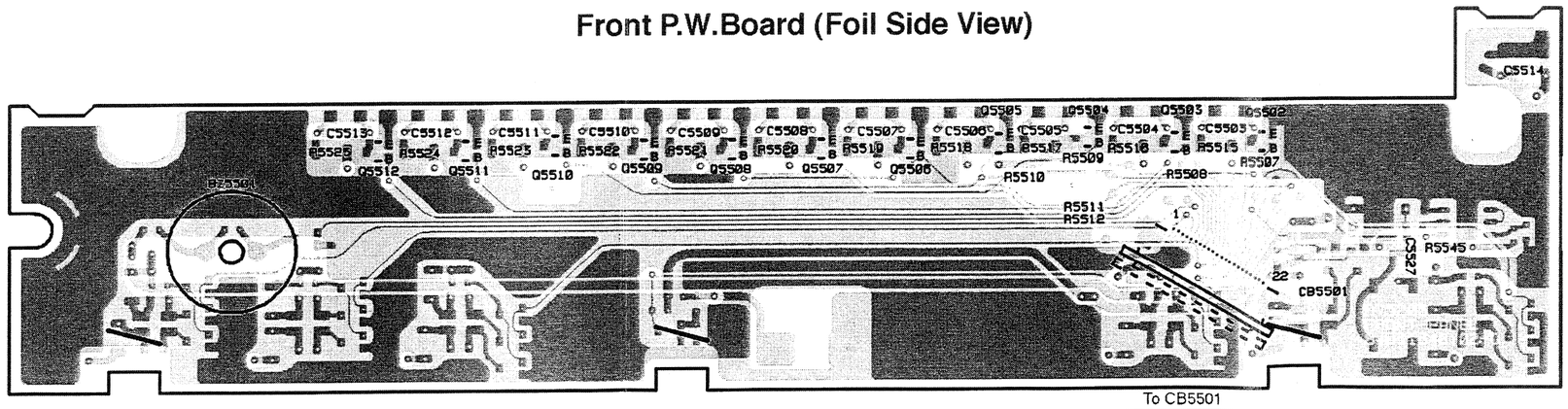
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (3/4)

Front P.W.Board (Component Side View)



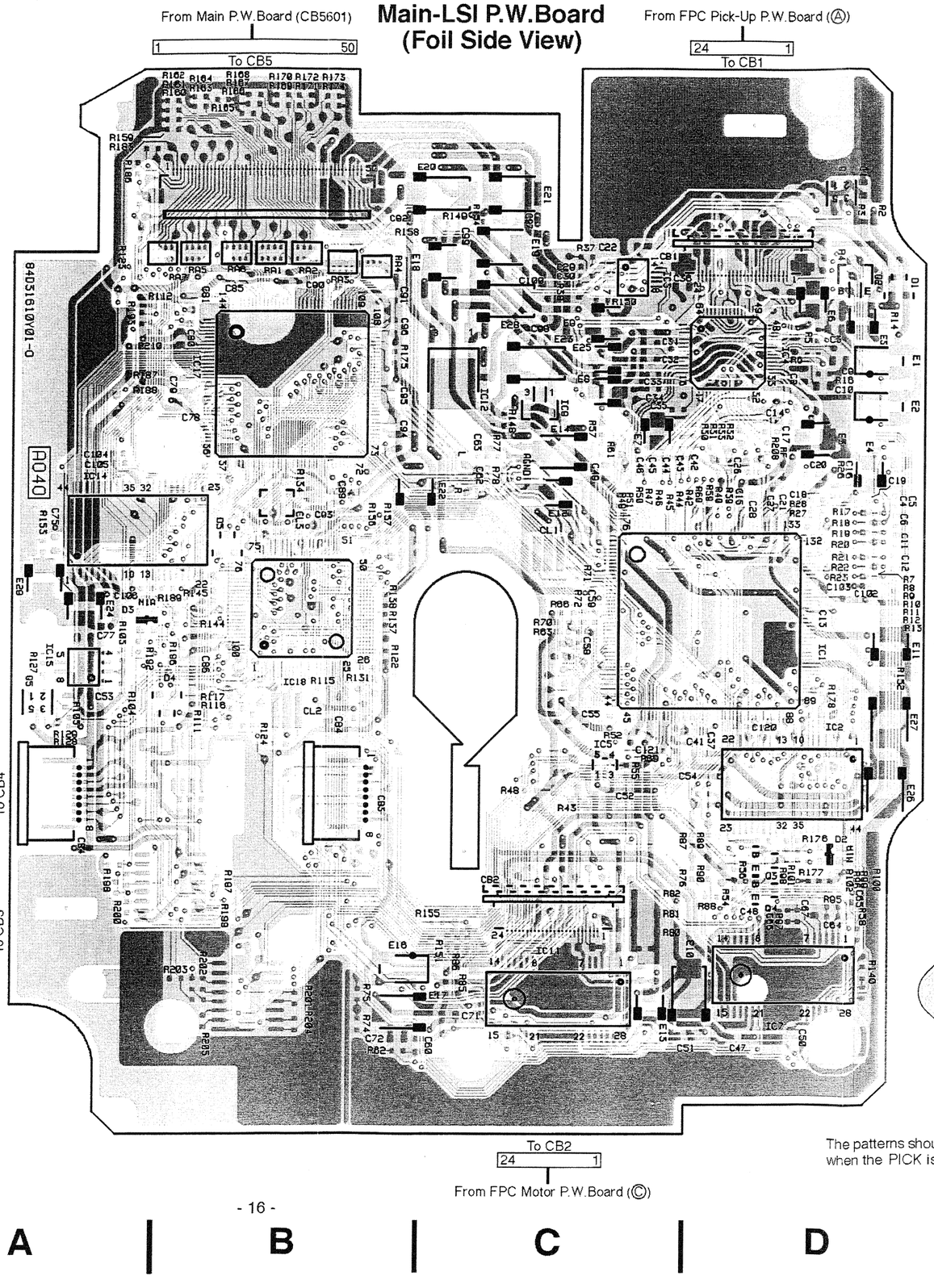
Front P.W.Board (Foil Side View)



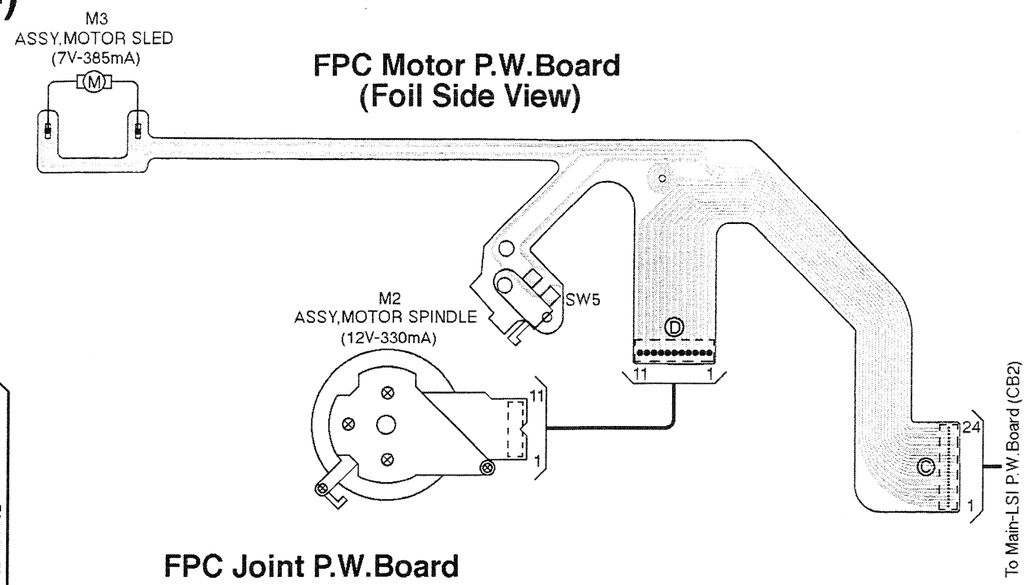
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (4/4)

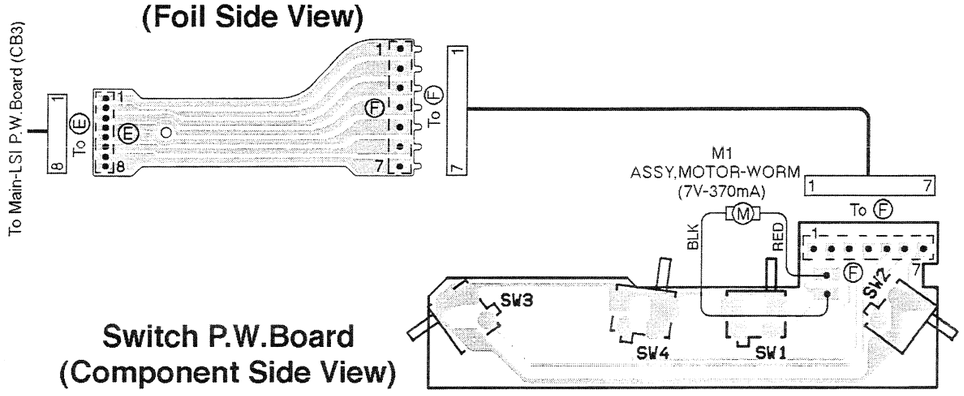
Main-LSI P.W.Board (Foil Side View)



FPC Motor P.W.Board (Foil Side View)

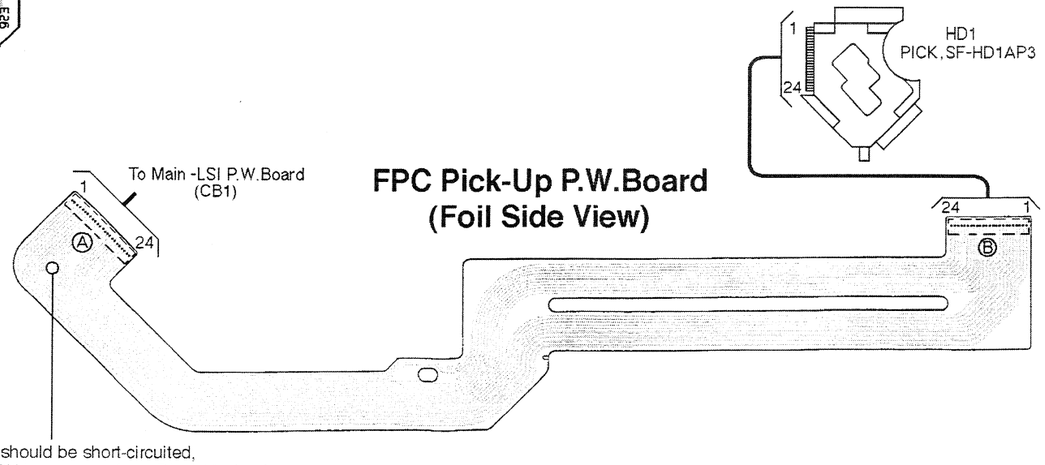


FPC Joint P.W.Board (Foil Side View)



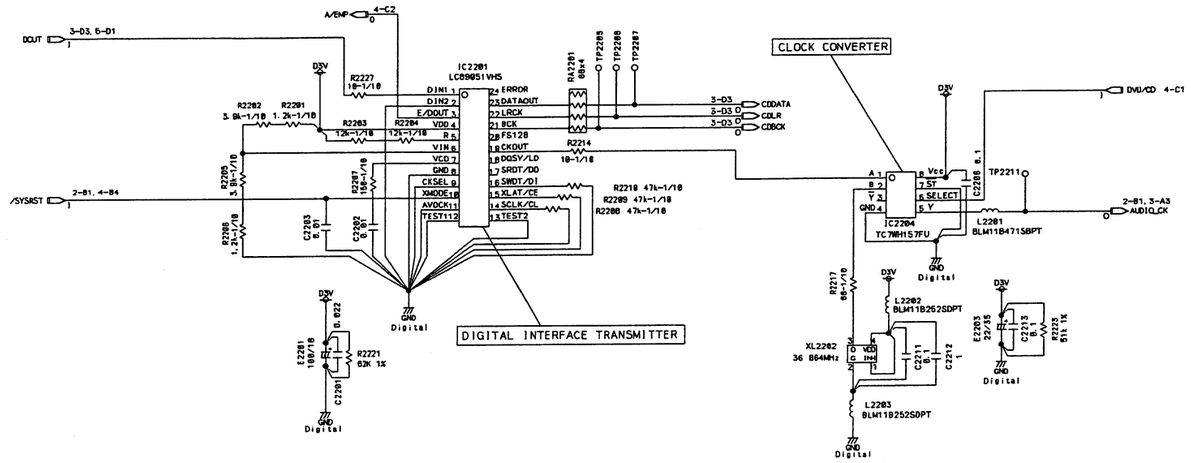
Switch P.W.Board (Component Side View)

FPC Pick-Up P.W.Board (Foil Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Schematic Diagram(1/11)



CD-DA Block

Main P.W.Board(1/7)

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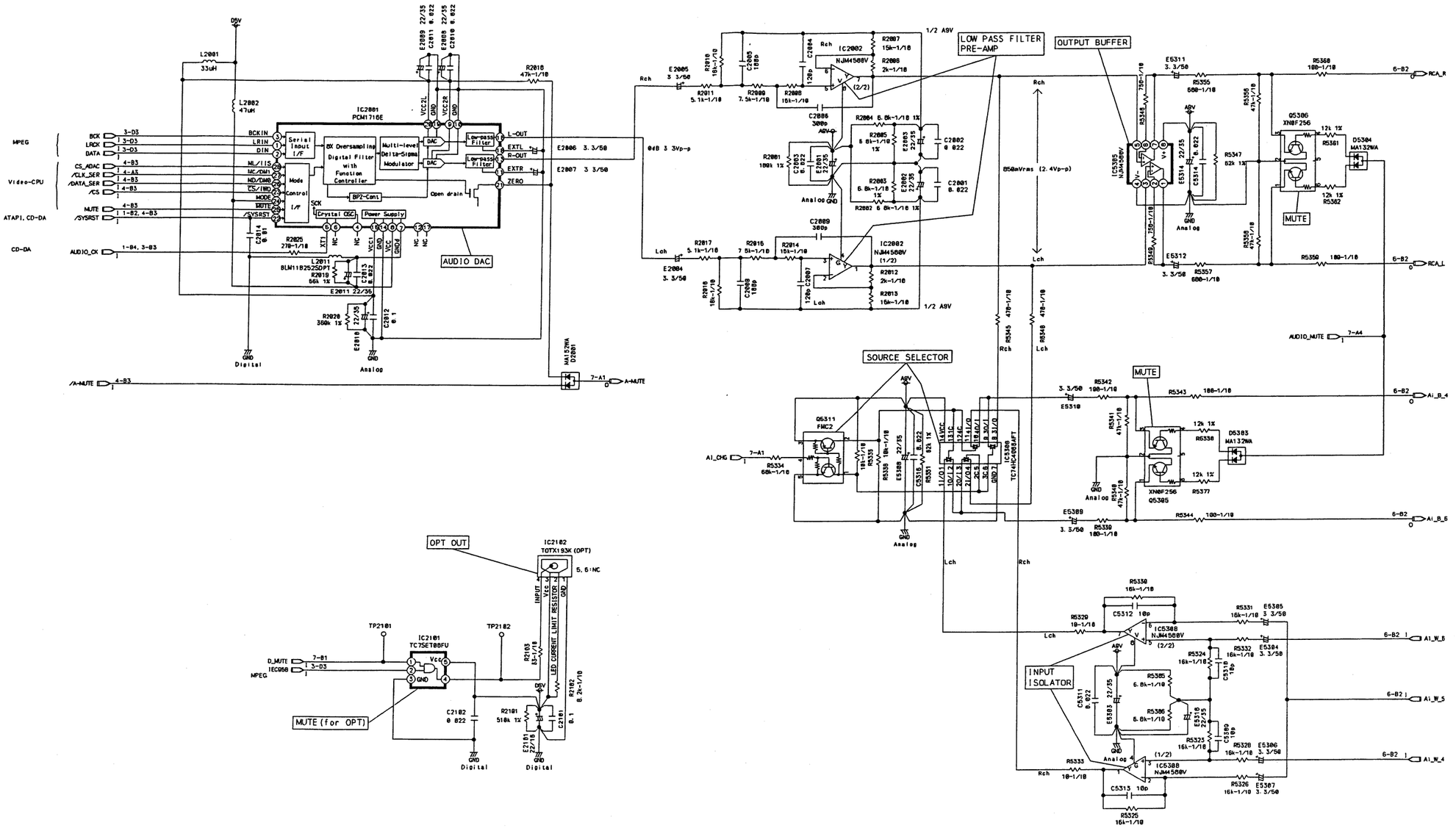
Schematic Diagram (2/11)



Audio Block

Main P. W. Board (2/7)

Schematic Diagram (3/11)

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MPEG Block

Main P.W.Board (3/7)

NOTE : N.U. is Not Used Parts.

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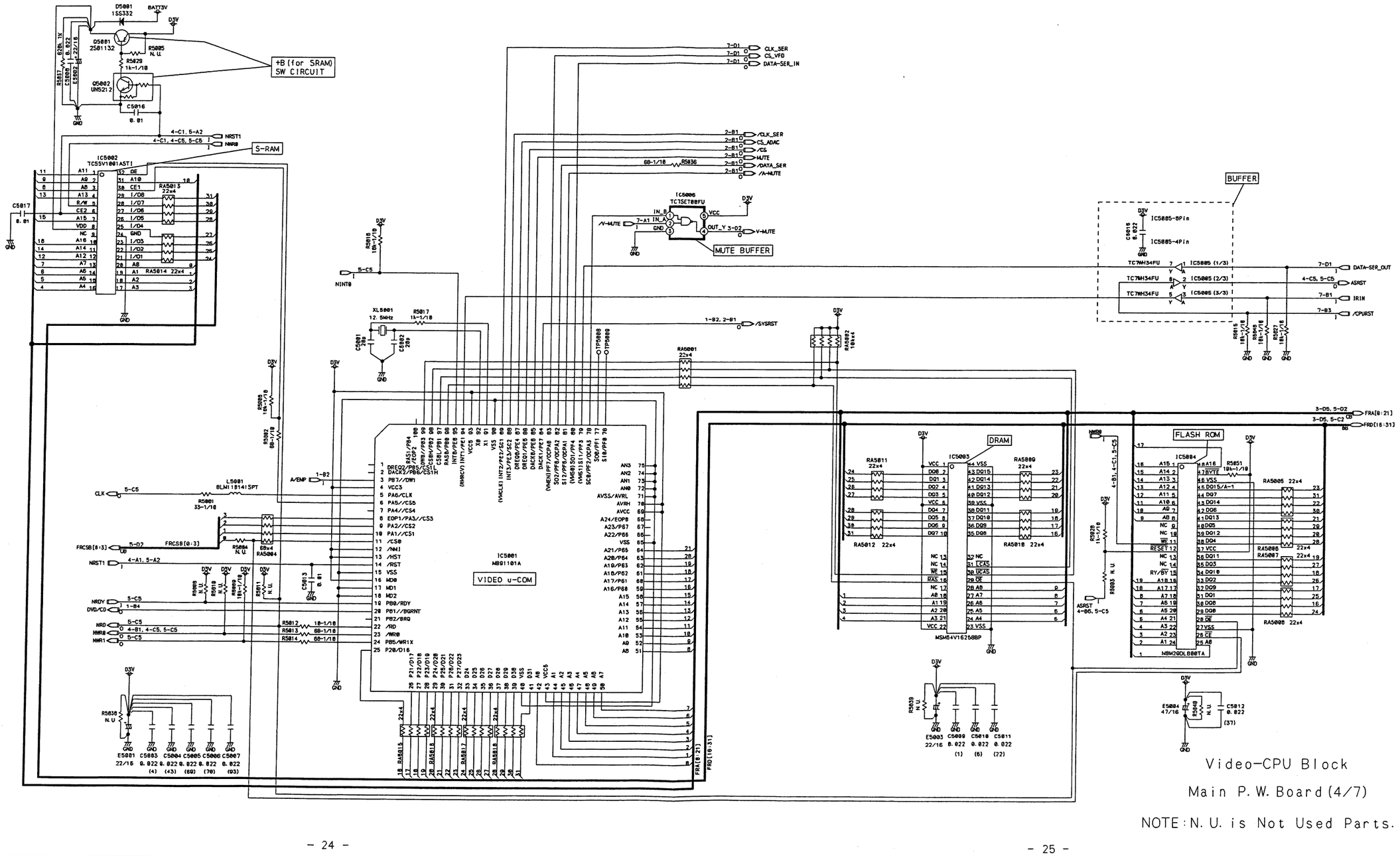
Schematic Diagram (4/11)

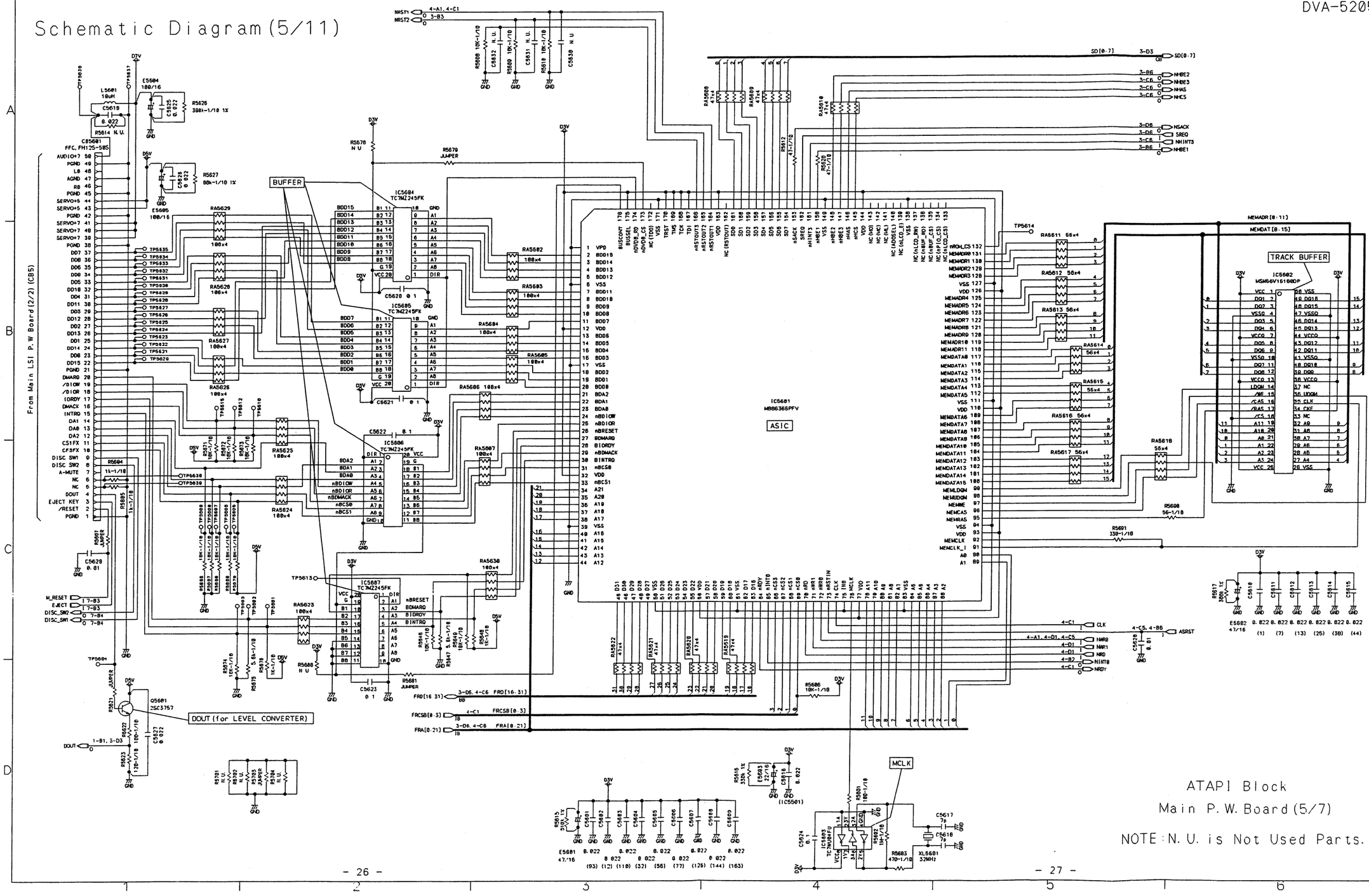


Video-CPU Block

Main P.W. Board (4/7)

NOTE: N.U. is Not Used Parts.

Schematic Diagram (5/11)



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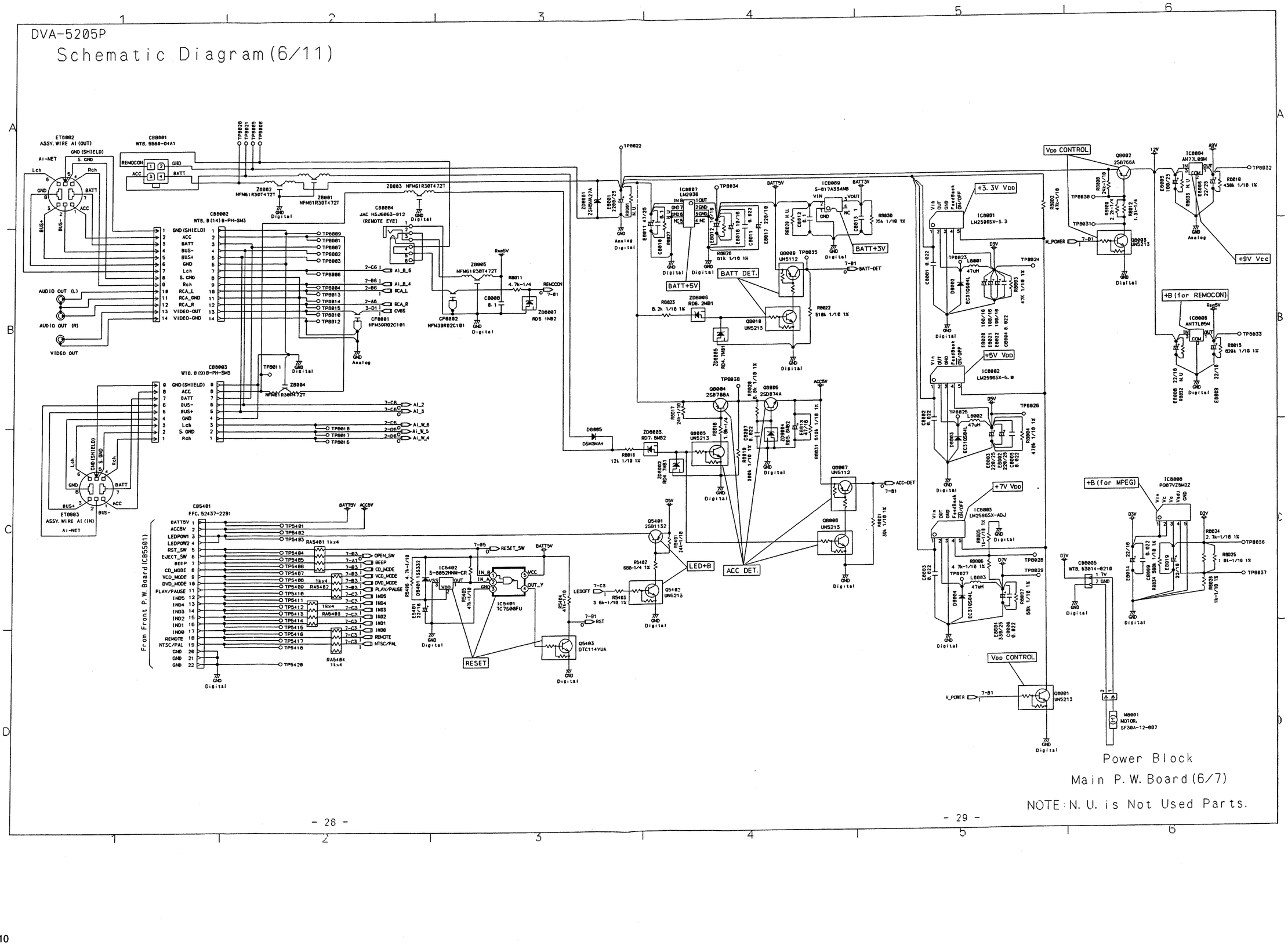
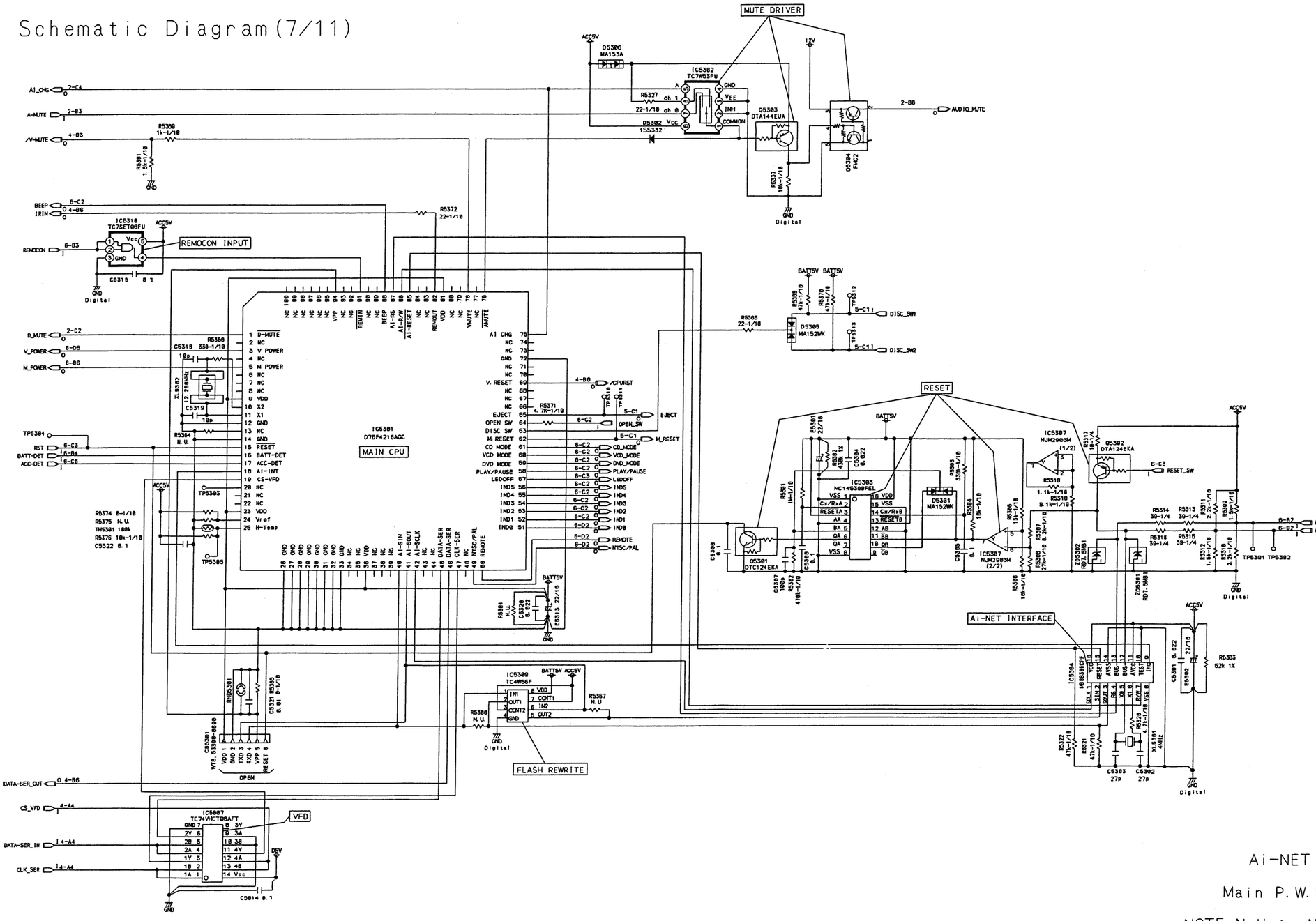
Schematic Diagram(6/11)



Schematic Diagram(7/11)



Ai-NET Block

Main P.W.Board(7/7)

NOTE:N.U. is Not Used Parts.

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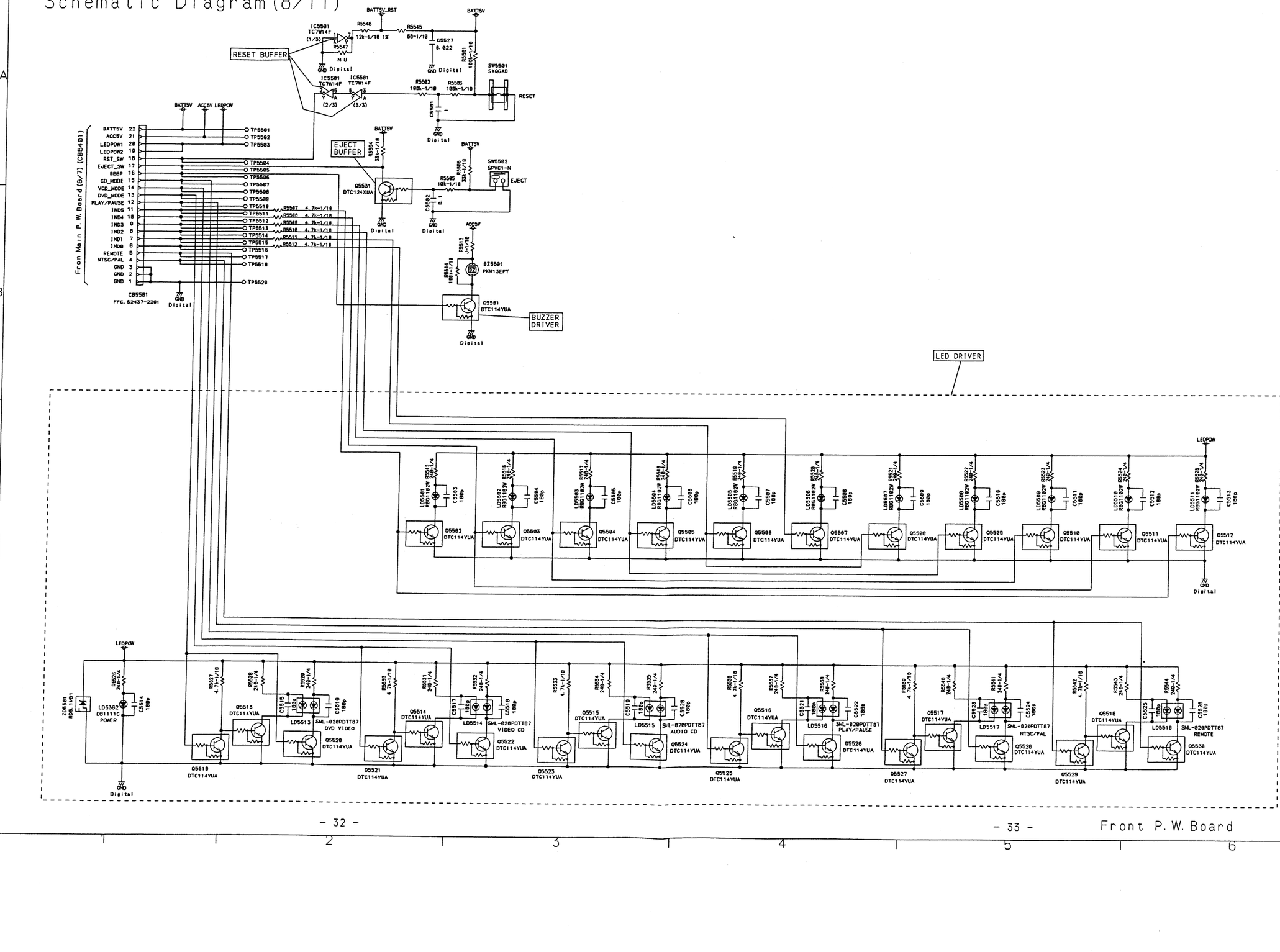
Schematic Diagram (8/11)



Schematic Diagram (9/11)

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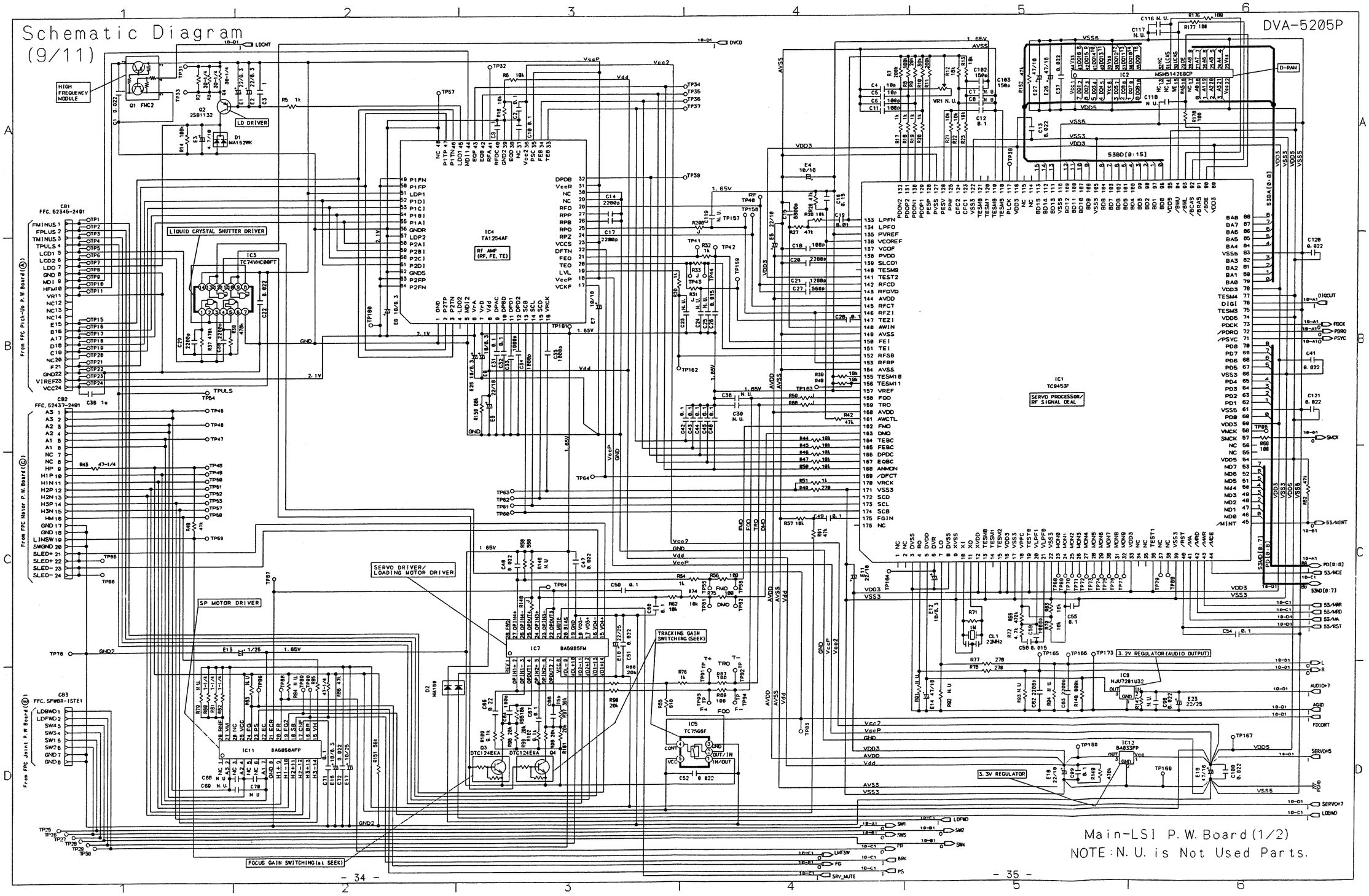

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Schematic Diagram (10/11)

IC18 M38062ECGP — 16 BIT u-COM

IC14 MSM514280CP — D-RAM

IC17 TC9460BF — ATAPI INTERFACE

IC15 MSM5295RP — RESET SIGNAL PROCESSOR

CB4 FFC. SFMBR-2STE1

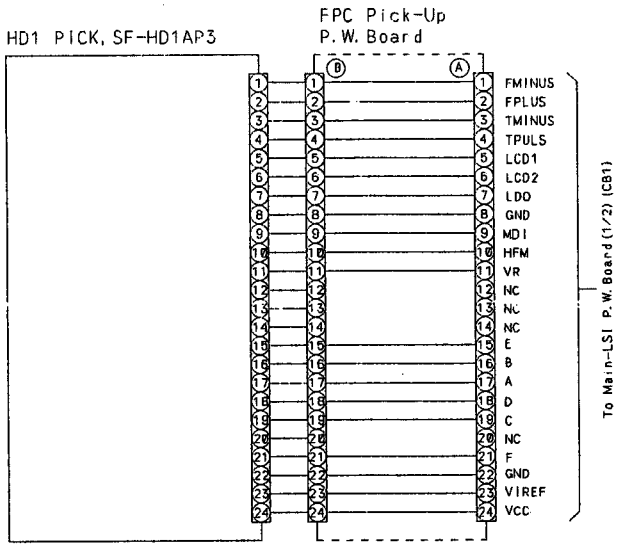
CB5 FFC. FH12S-60S

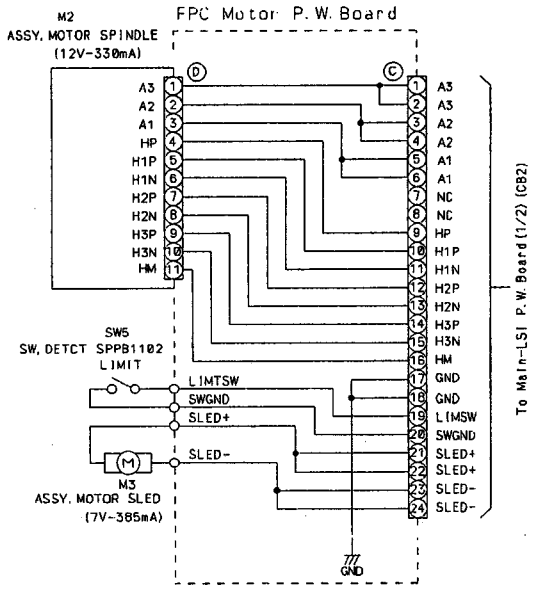
Main-LSI P.W.Board(2/2)

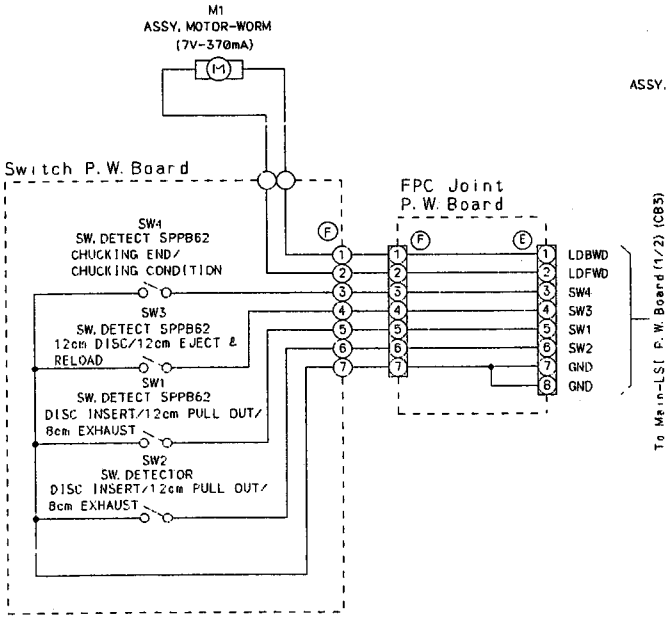
NOTE N.U. is Not Used Parts.

From Main P.W.Board(5/7) (CB5601)

Schematic Diagram (11/11)







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Terminal Voltage IC/TR

IC1

1, 2	NC	41~53	L	96~104	DIGITAL	141	3.4V
3	0V	54	5V	105	0V	142, 143	ANALOG
4	1.5V	55, 56	NC	106~109	DIGITAL	144	3.4V
5	3V	57, 58	CLK	110	0V	145	1.5V
6, 7	1.3V	59	3.3V	111~113	L	146, 147	ANALOG
8, 9	0V	60	DIGITAL	114, 115	NC	148	1.1V
10, 11	CLK	61	0V	116	3.3V	149	0V
12	3.3V	62~65	DIGITAL	117	CLK	150~153	ANALOG
13	0V	66	5V	118, 119	0V	154	0V
14	NC	67~69	DIGITAL	120, 121	NC	155~157	1.7V
15, 16	3.3V	70, 71	H	122	0V	158, 159	ANALOG
17	0V	72, 73	DIGITAL	123, 124	1.7V	160	3.3V
18	1.6V	74	5V	125	ANALOG	161~165	ANALOG
19	3.3V	75	0V	126~130	1.7V	166, 167	1.7V
20	1.6V	76	DIGITAL	131, 132	ANALOG	168	ANALOG
21	0.8V	77	5V	133	1.7V	169	3.3V
22~32	0V	78	3.3V	134	1.2V	170	CLK
33	3.3V	79~82	DIGITAL	135	1.7V	171~174	0V
34, 35	NC	83	0V	136	1.5V	175	1.9V
36	3.3V	84~88	DIGITAL	137	0.7V	176	NC
37, 38	NC	89	3.3V	138	3.4V		
39	0V	90~94	DIGITAL	139	1.6V		
40	H	95	5V	140	NC		

IC2

1	5V	22	5V
2~5	DIGITAL	23	0V
6	5V	24~31	DIGITAL
7~10	DIGITAL	32	NC
11, 12	—	33, 34	—
13, 14	NC	35~38	DIGITAL
15, 16	DIGITAL	39	0V
17	NC	40~43	DIGITAL
18~21	DIGITAL	44	0V

IC3

1	ANALOG	7	0V
2	5.1V	8	5.1V
3	CLK	9, 10	0V
4	ANALOG	11	5.1V
5	5.1V	12, 13	0V
6	CLK	14	5.1V

IC4

1	0V	22	3.3V	41	ANALOG
2, 3	2.1V	23	5V	42	2.4V
4	NC	24~28	ANALOG	43	1.6V
5	0V	29, 30	0V	44~47	ANALOG
6	2V	31	5V	48	0V
7	1.7V	32	1.6V	49, 50	2V
8	3.4V	33	1.8V	51	5V
9, 10	2V	34	1.6V	52~55	ANALOG
11, 12	ANALOG	35	H	56, 57	0V
13~15	0V	36	5V	58~61	ANALOG
16	CLK	37	2.3V	62	0V
17	1.6V	38	1.6V	63, 64	2V
18	5.1V	39	0V		
19~21	ANALOG	40	2.3V		

IC5

1	1.7V
2	ANALOG
3	0V
4	L
5	5V

IC7

1	0V	11~16	ANALOG
2, 3	1.72V	17, 18	NC
4	ANALOG	19	0V
5, 6	1.72V	20	1.65V
7	ANALOG	21	5V
8	7.3V	22~28	ANALOG
9, 10	0V		

IC9

1	3.2V
2	7.3V
3	0V

IC11

1	NC	18	0V
2	ANALOG	19	DIGITAL
3	NC	20	0V
4	ANALOG	21	ANALOG
5, 6	NC	22	1.6V
7	ANALOG	23	5V
8	0V	24	DIGITAL
9~14	ANALOG	25	5V
15	1V	26	NC
16	0V	27, 28	7.3V
17	ANALOG		

IC12

1	3.4V
2	0V
3	5V

IC14

1	5V	22	5V
2~5	L	23	0V
6	5V	24~28	L
7~10	L	29, 30	H
11, 12	—	31	DIGITAL
13, 14	NC	32	NC
15	H	33, 34	—
16	DIGITAL	35~38	L
17	NC	39	0V
18, 19	L	40~43	L
20	H	44	0V
21	L		

IC15

1	NC
2	1.4V
3	NC
4	0V
5	1.2V
6, 7	5V
8	NC

IC17

1	NC	45	H	78	5V	117~125	DIGITAL
2	0V	46, 47	L	79	H	126	4.9V
3	DIGITAL	48~51	0V	80	0V	127	0V
4, 5	H	52, 53	CLK	81~88	DIGITAL	128	DIGITAL
6	NC	54	5V	89	0V	129	L
7	H	55	DIGITAL	90	5V	130	DIGITAL
8	0V	56	NC	91~95	DIGITAL	131	0V
9	5V	57	CLK	96, 97	L	132	H
10~17	L	58	DIGITAL	98, 99	DIGITAL	133	0V
18	5V	59, 60	H	100	0V	134	H
19	0V	61~63	DIGITAL	101, 102	DIGITAL	135	4.9V
20~27	L	64	0V	103	NC	136	0V
28	0V	65~69	DIGITAL	104	H	137, 138	H
29~34	H	70	0V	105	4.9V	139	NC
35	5V	71~73	NC	106, 107	0V	140	DIGITAL
36, 37	NC	74	CLK	108	NC	141	NC
38	0V	75~77	NC	109	4.9V	142	DIGITAL
39~43	L	76	L	110~115	DIGITAL	143	4.9V
44	0V	77	0V	116	0V	144	NC

IC18

1	0V	28~30	H	64, 65	0V
2, 3	NC	31	0V	66~70	DIGITAL
4	H	32	L	71	5V
5	DIGITAL	33~37	H	72~74	0V
6	H	38	NC	75	5V
7	L	39	5V	76	NC
8, 9	NC	40	NC	77	5V
10	H	41, 42	0V	78~86	DIGITAL
11	CLK	43, 44	5V	87, 88	0V
12	0V	45	0V	89, 90	4.9V
13	CLK	46	5V	91	H
14	5V	47~49	0V	92, 93	5V
15	H	50	5V	94	0V
16	NC	51~59	DIGITAL	95	NC
17~19	L	60	5V	96	0V
20~24	0V	61	DIGITAL	97	5V
25	NC	62	0V	98~100	NC
26, 27	L	63	NC		

	E	C	B
Q2	4.6V	2.2V	4V
Q3	1.6V	1.6V	5V
Q4	1.6V	1.6V	5V

	1	2	3	4	5
Q1	NC	5V	5V	5V	0V
Q5	1.2V	0V	2.6V	0V	0V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Oscilloscope
- Measuring Point Reference : Between Ground
- Measuring Conditions : After connecting of UART, playback continual DVD (1st Layer Disc.)

DVA-5205P

IC2001

1~4	5Vp-p (PS)	15	5V
5	PS	16	2.7V
6	NC	17	NC
7	0V	18, 19	0V
8, 9	5V	20, 21	5V
10, 11	0V	22, 23	5Vp-p (PS)
12	NC	24	5V
13	2.7V	25~28	5Vp-p (PS)
14	0V		

IC2002

1~3	5V
4	0V
5~7	5V
8	9V

IC2101

1, 2	5Vp-p (PS)
3	0V
4	5Vp-p (PS)
5	5V

IC2102

1	0V
2	2.4V
3	5V
4	2.7V
5, 6	NC

IC2201

1~3	0V
4	3.3V
5, 6	1.6V
7~16	0V
17, 18	NC
19	2.3V
20	NC
21~23	3.3Vp-p (PS)
24	NC

IC2204

1	2.3V
2	PS
3	NC
4	0V
5, 6	3.3Vp-p (PS)
7	0V
8	3.3V

IC5001

1, 2	NC	17, 18	0V	69, 70	3.3V
3	3.3Vp-p (PS)	19, 20	3.3Vp-p (PS)	71~75	0V
4	3.3V	21	NC	76, 77	NC
5, 6	3.3Vp-p (PS)	22~39	3.3Vp-p (PS)	78~89	3.3Vp-p (PS)
7	NC	40	0V	90	0V
8~11	3.3Vp-p (PS)	41, 42	3.3Vp-p (PS)	91, 92	PS
12, 13	3.3V	43	3.3V	93	3.3V
14	3.3Vp-p (PS)	44~64	3.3Vp-p (PS)	94~99	3.3Vp-p (PS)
15	0V	65	0V	100	NC
16	3.3V	66~68	NC		

IC5002

1~7	3.3Vp-p (PS)
8	3.3V
9	NC
10~23	3.3Vp-p (PS)
24	0V
25~32	3.3Vp-p (PS)

IC5003

1	3.3V	22	3.3V
2~5	3.3Vp-p (PS)	23	0V
6	3.3V	24~31	3.3Vp-p (PS)
7~10	3.3Vp-p (PS)	32	NC
11, 12	—	33, 34	—
13, 14	NC	35~38	3.3Vp-p (PS)
15, 16	3.3Vp-p (PS)	39	0V
17	NC	40~43	3.3Vp-p (PS)
18~21	3.3Vp-p (PS)	44	0V

IC5004

1~8	3.3Vp-p (PS)	28~36	3.3Vp-p (PS)
9, 10	NC	37	3.3V
11	—	38~45	3.3Vp-p (PS)
12	3.3V	46	0V
13~15	NC	47	3.3V
16~26	3.3Vp-p (PS)	48	3.3Vp-p (PS)
27	0V		

IC5005

1	5Vp-p (PS)
2	3.3Vp-p (PS)
3	5Vp-p (PS)
4	0V
5	3.3Vp-p (PS)
6	5Vp-p (PS)
7	3.3Vp-p (PS)
8	3.3V

IC5006

1, 2	3.3Vp-p (PS)
3	0V
4	3.3Vp-p (PS)
5	3.3V

IC5007

1~6	5Vp-p (PS)
7	0V
8	NC
9, 10	0V
11~13	5Vp-p (PS)
14	5V

IC5301

1	5Vp-p (PS)	25	5Vp-p	72	0V
2	NC	26~33	0V	73, 74	NC
3	5V	34, 35	NC	75, 76	5Vp-p (PS)
4	NC	36	5V	77	NC
5	5V	37~39	NC	78	5Vp-p (PS)
6~8	NC	40~42	5Vp-p (PS)	79, 80	NC
9	5V	43, 44	NC	81	5V
10, 11	PS	45~47	5Vp-p (PS)	82	5Vp-p (PS)
12	0V	48	NC	83, 84	NC
13	NC	49~61	5Vp-p (PS)	85~88	5Vp-p (PS)
14	0V	62	5V	89, 90	NC
15~17	5V	63~65	5Vp-p (PS)	91	5Vp-p (PS)
18, 19	5Vp-p (PS)	66~68	NC	92, 93	NC
20~22	NC	69	5V	94	0V
23, 24	5V	70, 71	NC	95~100	NC

IC5302

1	5Vp-p (PS)
2~4	0V
5	5Vp-p (PS)
6	5V
7	5Vp-p (PS)
8	5V

IC5303

1	0V
2, 3	5V
4	0V
5, 6	5Vp-p (PS)
7	NC
8	0V
9	NC
10, 11	5Vp-p (PS)
12	0V
13	5V
14	5Vp-p (PS)
15	0V
16	5V

IC5304

1~4	5Vp-p (PS)
5	2.2V
6	2.6V
7	5Vp-p (PS)
8	0V
9	5Vp-p(PS)
10	0V
11	5V
12, 13	5Vp-p (PS)
14	0V
15	5Vp-p(PS)
16	5V

IC5305

1~3	5V
4	0V
5~7	5V
8	9V

IC5306

1~4	5V
5, 6	9V
7	0V
8~11	5V
12, 13	0V
14	9V

IC5307

1~3	0V
4	NC
5	2.5V
6, 7	5V
8	NC

IC5308

1~3	5V
4	0V
5~7	5V
8	9V

IC5309

1, 2	5Vp-p (PS)
3	5V
4	0V
5, 6	5Vp-p (PS)
7, 8	5V

IC5310

1, 2	5Vp-p (PS)
3	0V
4	5Vp-p (PS)
5	5V

IC5401

1, 2	5Vp-p (PS)
3	0V
4	5Vp-p (PS)
5	5V

IC5402

1, 2	5V
3	0V

IC5501

1	0V
2, 3	5V
4	NC
5, 6	0V
7	5V

IC5601

1	0V	70~74	—	139~143	NC
2~5	3.3Vp-p (PS)	75	0V	144	3.3V
6	0V	76	1.88V	145~148	3.3Vp-p (PS)
7~11	3.3Vp-p (PS)	77	3.3V	149	0V
12	3.3V	78~82	3.3Vp-p (PS)	150	3.3Vp-p (PS)
13~16	3.3Vp-p (PS)	83	0V	151~153	—
17	0V	84~92	3.3Vp-p (PS)	154~161	3.3Vp-p (PS)
18~31	3.3Vp-p (PS)	93	3.3V	162	NC
32	3.3V	94	0V	163	3.3V
33~38	3.3Vp-p (PS)	95~109	3.3Vp-p (PS)	164~166	3.3Vp-p (PS)
39	0V	110	3.3V	167~170	3.3V
40~49	3.3Vp-p (PS)	111	0V	171	0V
50	0V	112~125	3.3Vp-p (PS)	172	NC
51~55	3.3Vp-p (PS)	126	3.3V	173, 174	—
56	3.3V	127	0V	175	3.3V
57~60	3.3Vp-p (PS)	128~131	3.3Vp-p (PS)	176	—
61	0V	132~137	NC		
62~69	3.3Vp-p (PS)	138	0V		

IC5602

1	3.3V	27~32	3.3Vp-p (PS)
2, 3	3.3Vp-p (PS)	33	NC
4	0V	34	3.3V
5, 6	3.3Vp-p (PS)	35, 36	3.3Vp-p (PS)
7	3.3V	37	NC
8, 9	3.3Vp-p (PS)	38	3.3V
10	0V	39, 40	3.3Vp-p (PS)
11, 12	3.3Vp-p (PS)	41	0V
13	3.3V	42, 43	3.3Vp-p (PS)
14~17	3.3Vp-p (PS)	44	3.3V
18	0V	45, 46	3.3Vp-p (PS)
19~24	3.3Vp-p (PS)	47	0V
25	3.3V	48, 49	3.3Vp-p (PS)
26	0V	50	0V

IC5603

1	0V
2, 3	PS
4	0V
5, 6	PS
7, 8	3.3V

DVA-5205P

IC5604

1	—
2~9	3.3Vp-p (PS)
10	0V
11~18	3.3Vp-p (PS)
19	—
20	3.3V

IC5605

1	—
2~9	3.3Vp-p (PS)
10	0V
11~18	3.3Vp-p (PS)
19	—
20	3.3V

IC5606

1	0V
2~9	3.3Vp-p (PS)
10	0V
11~18	3.3Vp-p (PS)
19	—
20	3.3V

IC5607

1	0V
2~5	3.3Vp-p (PS)
6~9	NC
10~14	0V
15~18	3.3Vp-p (PS)
19	—
20	3.3V

IC8001

1	14.4V
2	3.3V
3	0V
4	3.3V
5	0V

IC8002

1	14.4V
2	5V
3	0V
4	5V
5	0V

IC8003

1	14.4V
2	7V
3	0V
4	7V
5	0V

IC8004

1	13.6V
2	0V
3	9V

IC8006

1	13.6V
2	0V
3	5Vp-p (PS)

IC8007

1	5V
2, 3	0V
4, 5	NC
6, 7	0V
8	14.4V

IC8008

1, 2	3.3V
3	2.8V
4	1.5V
5	0V

IC8009

1	0V
2	5V
3	3.3V
4	NC

IC9501

1	2.6V	43	2.6V	78	2.6Vp-p (PS)	125, 126	2.6V	173~175	2.6Vp-p (PS)
2	NC	44	0V	79	2.6V	127	—	176	0V
3	0V	45	0.66V	80~84	2.6Vp-p (PS)	128, 129	NC	177~181	2.6Vp-p (PS)
4~9	NC	46	2.6V	85	0V	130	0V	182	0V
10	2.6V	47~49	NC	86, 87	2.6Vp-p (PS)	131	2.6V	183	2.6V
11~14	NC	50	0V	88	2.6V	132	NC	184~188	2.6Vp-p (PS)
15	0V	51	2V	89	—	133~135	2.6V	189	0V
16	2.6Vp-p (PS)	52	0V	90	2.6V	136~140	2.6Vp-p (PS)	190~194	2.6Vp-p (PS)
17	2.6V	53~56	2.6Vp-p (PS)	91	—	141, 142	0V	195	0V
18~25	NC	57~59	NC	92~95	2.6Vp-p (PS)	143~146	2.6Vp-p (PS)	196	NC
26	0V	60	0V	96	0V	147	2.6V	197	1.86V
27	2.6V	61	2.6V	97	2.6V	148	0V	198	0V
28~34	NC	62	2.6Vp-p (PS)	98~106	2.6Vp-p (PS)	149~153	2.6Vp-p (PS)	199	NC
35	0V	63	NC	107	0V	154~158	0V	200	0V
36	NC	64, 65	2.6Vp-p (PS)	108~113	2.6Vp-p (PS)	159~163	2.6Vp-p (PS)	201	2.6V
37	2.6V	66	NC	114	2.6V	164	0V	202	NC
38	0V	67	2.6Vp-p (PS)	115~118	2.6Vp-p (PS)	165	2.6V	203	0V
39	NC	68~70	NC	119	0V	166, 167	2.6Vp-p (PS)	204	NC
40	2.6V	71	2.6V	120, 121	2.6Vp-p (PS)	168	0V	205	2.6Vp-p (PS)
41	1.66V	72	0V	122, 123	2.6V	169~171	2.6Vp-p (PS)	206	0V
42	0V	73~77	NC	124	NC	172	0V	207, 208	2.6V

IC9502

1	3.3V	33	NC
2, 3	3.3Vp-p (PS)	34~36	3.3Vp-p (PS)
4	0V	37	NC
5, 6	3.3Vp-p (PS)	38	3.3V
7	3.3V	39, 40	3.3Vp-p (PS)
8, 9	3.3Vp-p (PS)	41	0V
10	0V	42, 43	3.3Vp-p (PS)
11, 12	3.3Vp-p (PS)	44	3.3V
13	3.3V	45, 46	3.3Vp-p (PS)
14~24	3.3Vp-p (PS)	47	0V
25	3.3V	48, 49	3.3Vp-p (PS)
26	0V	50	0V
27~32	3.3Vp-p (PS)		

	1	2	3	4	5
Q5304	NC	0V	12V	0V	0V
Q5311	9V	0V	9V	0V	0V

	1	2	3	4	5	6
Q5305	0V	0V	0V	0V	NC	0V
Q5306	0V	0V	0V	0V	NC	0V

	E	C	B		E	C	B		E	C	B
Q5001	3.3V	3V	2.95V	Q5511	0V	0V	2.8V	Q5529	0V	3.7V	0V
Q5002	0V	0V / 2.95V	3.3Vp-p (PS)	Q5512	0V	0V	2.8V	Q5530	0V	3.7V	0V
Q5301	0V	5V	0V	Q5513	0V	0V	3.7V	Q5531	0V	0V	2.3V
Q5302	5V	2V	5V	Q5514	0V	0V	3.7V	Q5601	0V	5V	0V
Q5303	4.2V	0V	4V	Q5515	0V	0V	3.7V	Q8001	0V	0V	5V
Q5401	5V	5V	0V	Q5516	0V	0V	3.7V	Q8002	13.6V	13.6V	13V
Q5402	0V	0V	5V	Q5517	0V	0V	3.7V	Q8003	0V	0.6V	5V
Q5403	0V	5V	0V	Q5518	0V	0V	3.7V	Q8004	13.6V	13.6V	13V
Q5501	0V	5V	0V	Q5519	0V	3.7V	0V	Q8005	0V	0V	3.3V
Q5502	0V	0V	2.8V	Q5520	0V	3.7V	0V	Q8006	5V	13.6V	5.8V
Q5503	0V	0V	2.8V	Q5521	0V	3.7V	0V	Q8007	5V	5V	0V
Q5504	0V	0V	2.8V	Q5522	0V	3.7V	0V	Q8008	0V	0V	3.3V
Q5505	0V	0V	2.8V	Q5523	0V	3.7V	0V	Q8009	5V	5V	0V
Q5506	0V	0V	2.8V	Q5524	0V	3.7V	0V	Q8010	0V	0V	3.8V
Q5507	0V	0V	2.8V	Q5525	0V	3.7V	0V	Q9501	2.6V	7V	3V
Q5508	0V	0V	2.8V	Q5526	0V	3.7V	0V	Q9502	5V	7.2V	6.6V
Q5509	0V	0V	2.8V	Q5527	0V	3.7V	0V	Q9503	4.2V	9V	5V
Q5510	0V	0V	2.8V	Q5528	0V	3.7V	0V	Q9504	0V	5V	0V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : • Main P.W.Board : Only DVA-5205 play (TEST DISC play)
  - CD : TCD-782
  - VIDEO CD : TVD-581A
  - DVD : TDV-540
  - Front P.W.Board : at POWER ON

Description of IC Terminal

M30620ECGP : IC18

No.	Symbol	I/O	Terminal Description
1 ~ 3	NC	—	No connect terminal.
4	EJECT	I	EJECT key.
5	FG	I	Pulse input terminal of Motor rotate.
6	P.U	—	SERVO +5 connect terminal.
7	V_{SS} (CNV_{SS})	—	V_{SS} connect terminal.
8 9	NC	—	No connect terminal.
10	/RESET	—	RESET circuit : RESET ON of Low.
11	XOUT	—	15.1MHz ceramic lock connect terminal.
12	V_{SS}	—	GND connect terminal.
13	XIN	—	15.1MHz ceramic lock connect terminal.
14	V_{CC}	—	+5V connect terminal.
15	/NMI	I	PULL-UP connect termial.
16	NC	—	No connect terminal.
17	69 /MINT	I	/MINT interrupt signal input terminal of TC9469BF.
18	53 /MINT	I	/MINT interrupt signal input terminal of TC9453F.
19	E2PSDA	—	SERVO +5 connect terminal.
20	E2PSCL	—	No connect terminal.
21 22 23 24	TEST3 TEST2 TEST1 TEST0	O	TEST terminal.
25	NC	—	No connect terminal.
26	NC	I	PULL-DOWN connect terminal.
27	FR	I	The terminal is H during reverse rotate.
28	LMTSW	I	LIMIT SW terminal from Mechanism SW.
29	D232COUT (TXD)	O	Debug string output terminal. 232C 9600 b8 S1 output.
30	D232CIN (RXD)	I	Debug string input terminal. 232C 9600 b8 S1 input.
31	NC (CLK)	—	No connect terminal.
32	BRK (RTS)	O	Output terminal of Forced brake signal.
33	H232COUT	O	232c 9600 b8 s1 output terminal of HOST communication.
34	H232CIN	I	232c 9600 b8 s1 input terminal of HOST communication.
35	PS	O	Output terminal of SPINDLE • MUTE signal.
36	SRV MUTE	O	Output terminal of SERVO • MUTE signal.
37	P.U	—	PULL-UP connect terminal.
38	NC	—	No connect terminal.

No.	Symbol	I/O	Terminal Description
39	P.U (EPM)	I	PULL-UP connect terminal.
40	NC	—	No connect terminal.
41	53/MRD	O	Output terminal of / MRD signal to TC9453F.
42	69/MRD	O	Output terminal of / MRD signal to TC9469BF.
43	53/MWR	O	Output terminal of / MWR signal to TC9453F.
44	NC (CE)	—	No connect terminal.
45	53/MCE	O	Output terminal of / MCE signal to TC9453F.
46	69/MCE	O	Output terminal of / MCE signal to TC9469BF.
47	MOTOR2	O	MOTOR signal output terminal to Mechanism.
48	MOTOR1		
49	SW4	I	SW signal input terminal from Mechanism.
50	SW3		
51	69/MWR	O	Output terminal of / MWR signal to TC9469BF.
52	53/MA	O	Output terminal of / MA signal to TC9453F.
53	53/MD7	O	Output terminal of MD signal to TC9453F.
54	53/MD6		
55	53/MD5		
56	53/MD4		
57	53/MD3		
58	53/MD2		
59	53/MD1		
60	V_{CC}	—	+5V connect terminal.
61	53/MD0	O	Output terminal of MD signal to TC9453F.
62	V_{SS}	—	GND connect terminal.
63	NC	—	No connect terminal.
64	MA6	O	Output terminal of MA signal to TC9469BF.
65	MA5		
66	MA4		
67	MA3		
68	MA2		
69	MA1		
70	MA0		
71	NC	—	No connect terminal.
72	FDCNT	O	Output terminal of FDCNT signal.
73	LAYER	O	Output terminal of LAYER signal.
74	DVCD	O	Output terminal of DVCD signal.
75	LDCNT	O	Output terminal of LDCNT signal.
76	NC	—	No connect terminal.
77	53/RST	O	LSI reset terminal of SERVO.
78	69/RST	O	LSI reset terminal of ATAPI.

No.	Symbol	I/O	Terminal Description
79	MD7	I/O	Input / Output terminal of MD signal to TC9469BF.
80	MD6		
81	MD5		
82	MD4		
83	MD3		
84	MD2		
85	MD1		
86	MD0		
87	(TEADIN) NC	—	No connect terminal.
88	(FEADIN) NC		
89	SW2	I	SW signal terminal from Mechanism.
90	SW1		
91	MCHLED	O	The terminal light LED during mechanism data access.
92	AMUTE	O	AUDIO MUTE signal.
93	AUXCHG	O	Switch terminal of inner and outer data read.
94	AV_{SS}	—	GND connect terminal.
95	NC	—	No connect terminal.
96	VREF	—	GND connect terminal.
97	AV_{CC}	—	+5V connect terminal.
98	NC	—	No connect terminal.
≀			
100			

D78F4216AGC : IC5301

No.	Symbol	I/O	Terminal Description
1	$\overline{\text{D-MUTE}}$	O	Control signal output terminal of DIGITAL MUTE.
2	NC	—	No connect terminal.
3	V POWER	O	Power supply voltage control terminal of Video • block.
4	NC	—	No connect terminal.
5	M POWER	O	Main power control terminal.
6	NC	—	No connect terminal.
≀			
8			
9	V_{DD}	—	V_{DD} +5V connect terminal.
10	X2	—	Connect terminal to main system clock. (12.288MHz)
11	X1		
12	GND	—	GND connect terminal.
13	NC	—	No connect terminal.

No.	Symbol	I/O	Terminal Description
14	GND	—	GND connect terminal.
15	$\overline{\text{RESET}}$	I	RESET input terminal.
16	BATT-DET	I	Input terminal of detect BATT voltage.
17	ACC-DET	I	Input terminal of detect ACC power supply voltage.
18	AI-INT	I	Interrupt terminal of Ai-BUS-IC.
19	CS-VFD	I	Main μ-COM. chip select terminal.
20 ~ 22	NC	—	No connect terminal.
23	V_{DD}	—	V_{DD} +5V connect terminal.
24	V_{ref}	—	+5V connect terminal.
25	H-Temp	I	Temperature detect input terminal.
26 ~ 33	GND	—	GND connect terminal.
34 ~ 35	NC	—	No connect terminal.
36	V_{DD}	—	V_{DD} +5V connect terminal.
37 ~ 39	NC	—	No connect terminal.
40	AI-SIN	I	Input terminal of Ai-BUS-IC data signal.
41	AI-SOUT	O	Output terminal of Ai-BUS-IC data signal.
42	AI-SCLK	O	Output terminal of Ai-BUS-IC RESET correspondence cycle signal.
43 ~ 44	NC	—	No connect terminal.
45	DATA-SER	I	Both direction data input terminal.
46	DATA-SER	O	Both direction data output terminal.
47	CLK-SER	I	Clock input terminal from VIDEO μ-COM.
48	NC	—	No connect terminal.
49	NTSC / PAL	O	The terminal control LED.
50	REMOTE		
51	IND0		
52	IND1		
53	IND2		
54	IND3		
55	IND4		
56	IND5		
57	LEDOFF		
58	PLAY / PAUSE		
59	DVD MODE		

No.	Symbol	I/O	Terminal Description
60	VCD MODE	O	The terminal control LED.
61	CD MODE		
62	M. RESET	O	Mechanism μ-COM. hard RESET terminal.
63	DISC SW	I	Host stand-by terminal.
64	OPEN SW	I	Control terminal of DISC discharge.
65	EJECT	O	Control output terminal of drive mechanism forced EJECT.
66 ~ 68	NC	—	No connect terminal.
69	V.RESET	O	POWER ON RESET terminal.
70	NC	—	No connect terminal.
71			
72	GND	—	GND connect terminal.
73	NC	—	No connect terminal.
74			
75	AI CHG	O	Switch terminal of Ai-NET AUDIO output.
76	$\overline{\text{AMUTE}}$	O	Control signal output terminal of AUDIO MUTE.
77	NC	—	No connect terminal.
78	VMUTE	O	Control signal output terminal of VIDEO MUTE.
79	NC	—	No connect terminal.
80			
81	V_{DD}	—	V_{DD} +5V connect terminal.
82	REMOUT	O	Remote control signal output terminal.
83	NC	—	No connect terminal.
84			
85	$\overline{\text{AI-RESET}}$	O	Ai-BUS -IC RESET signal output terminal.
86	AI-R/W	O	Slect output terminal of Ai-BUS-IC Read/Write.
87	AI-RS	O	Slect signal output terminal of Ai-BUS-IC Resistor.
88	BEEP	O	Know sound output terminal of remote control.
89	NC	—	No connect terminal.
90			
91	$\overline{\text{REMIN}}$	I	Remote control input terminal.
92	NC	—	No connect terminal.
93			
94	VPP	—	GND connect terminal.
95 ~ 100	NC	—	No connect terminal.

Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES.= Resistor	CAP.= Capacitor
C.F.= Carbon Film	ELY.= Electrolytic
M.F.= Metal Film	CER.= Ceramic
M.O.= Metal OxideFilm	MYL.= Mylar
M.P.= Metal Plate	TAN.= Tantalum
TR. = Transistor	POLY.= Polystyrol
TRANS.= Transformer	PP. = Polypropylene
CP. = Chip	PLT.= Polyethylene
	PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC2001	51T25002Y01	PCM1716E-2K -SE6
IC2002	51T25576W07	NJM4580V-TE2 -SE2
IC2101	51T25183Y02	TC7SET08FU-EL -CP
IC2201	51T15273Y02	LC89051VHS-TLM -SE6
IC2204	51T35347Y01	TC7WH157FU-TE12L-SE1
IC5001	51T35209Y01	MB91101A -QT
IC5002	51T15669Y01	TC55V1001ASTI-EL-SE9
IC5003	51T15608Y01	MSM54V16258BP -ST
IC5004	51T35453Y13	MTP,MBM29DL800TA-90
IC5005	51T25069Y01	TC7WH34FU-TE12L -SE1
IC5006	51T35564Y01	TC7SET00FU-TE85L -CP
IC5007	51T15194Y01	TC74VHCT08AFT-EL-SE5
IC5301	51T35566Y14	MTP,D78F4216AGC
IC5302	51T25404Y02	TC7W53FU-TE12L -SE1
IC5303	51T25370W01	IC ,MC14538BFEL -SE6
IC5304	51T55070W05	MB88385CPF-ER -SE9
IC5305	51T25576W07	NJM4580V-TE2 -SE2
IC5306	51T15456Y01	TC74HC4066AFT-EL-SE5
IC5307	51T93332F01	IC,NJM2903M-TE3 -SE2
IC5308	51T25576W07	NJM4580V-TE2 -SE2
IC5309	51T55352W02	IC ,TC4W66F -SE2
IC5310	51T25183Y02	TC7SET08FU-EL -CP
IC5401	51T95582W01	TC7S00FU-TE85L -CP
IC5402	51T95014F13	S-8052HNM-CR-T1 -SE2
IC5601	51T35363Y01	MB86366PFV -QT
IC5602	51T45052Y01	MSM56V16160DP -ST
IC5603	51T35348Y01	TC7WU04FU-TE12L -SE1
IC5604	51T35385Y01	TC7MZ245FK-EL -SE2
IC5605	51T35385Y01	TC7MZ245FK-EL -SE2
IC5606	51T35385Y01	TC7MZ245FK-EL -SE2
IC5607	51T35385Y01	TC7MZ245FK-EL -SE2
IC8001	51T15198Y01	LM2596SX-3.3 -NEA
IC8002	51T15198Y02	LM2596SX-5.0 -NEA
IC8003	51T15198Y10	LM2596SX-ADJ -NEA
IC8004	51T75197W09	AN77L09M-TX -NE2
IC8006	51T75197W05	AN77L05M-TX -NE2
IC8007	51T55201W02	LM2936 -SE2
IC8008	51T35415Y01	PQ07VZ5M2Z -NE5
IC8009	51T35410Y01	S-817A33ANB-T2 -CP
IC9501	51T35208Y02	MB86373B -QT
IC9502	51T45052Y01	MSM56V16160DP -ST
Transistors		
Q5001	48T80611F01	CP.2SB1132-QR-101-E3
Q5002	48T45251W03	TR ,UN5212 22-22 -CP
Q5301	48T62967F03	TR,DTC124EKA-T146-CP
Q5302	48T62966F03	TR,DTA124EKA-T146-CP
Q5303	48T94606F51	TR,DTA144EUA-T106-CP
Q5304	48T73888F12	TR ,CP.FMC2-99
Q5305	48T25317Y01	TR,XN0F256-TX -CP
Q5306	48T25317Y01	TR,XN0F256-TX -CP
Q5311	48T73888F12	TR ,CP.FMC2-99
Q5401	48T80611F01	CP.2SB1132-QR-101-E3
Q5402	48T45251W01	TR ,UN5213 47-47 -CP
Q5403	48T94606F02	TR,DTC114YUA-T106-CP
Q5601	48T35462Y01	TR,2SC3757-QR-TX -CP
Q8001	48T45251W01	TR ,UN5213 47-47 -CP
Q8002	48T73022F01	TR ,2SB766A
Q8003	48T45251W01	TR ,UN5213 47-47 -CP
Q8004	48T73022F01	TR ,2SB766A
Q8005	48T45251W01	TR ,UN5213 47-47 -CP
Q8006	48T73023F01	TR ,2SD874A -E2
Q8007	48T45251W53	TR ,UN5112 22-22 -CP
Q8008	48T45251W01	TR ,UN5213 47-47 -CP
Q8009	48T45251W53	TR ,UN5112 22-22 -CP
Q8010	48T45251W01	TR ,UN5213 47-47 -CP
Q9501	48T63417F01	TR ,CP.2SC2412K -96
Q9502	48T63420F01	TR,2SA1037AK-146 -CP
Q9503	48T63417F01	TR ,CP.2SC2412K -96
Q9504	48T62967F33	TR,DTC343TK-T146 -CP
Diodes		
D2001	48T25651W01	DIO,CP MA152WA
D5001	48T16617W01	DIO,1SS332-TT11 -CP
D5301	48T25651W02	DIO,MA152WK-TX -CP
D5302	48T16617W01	DIO,1SS332-TT11 -CP
D5303	48T15706Y01	DIO,MA132WA-TX -CP

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Symbol No.	Part No.	Description
D5304	48T15706Y01	DIO,MA132WA-TX -CP
D5305	48T25651W02	DIO,MA152WK-TX -CP
D5306	48T94335F02	DIO,MA153A-TX -CP
D5401	48T16617W01	DIO,1SS332-TT11 -CP
D8002	48T15368Y01	DIO,SHT EC31QS04L-E1
D8003	48T15368Y01	DIO,SHT EC31QS04L-E1
D8004	48T15368Y01	DIO,SHT EC31QS04L-E1
D8005	48T85427W01	DIO,DSM3MA4 -E5
D9501	48T16617W01	DIO,1SS332-TT11 -CP
ZD5301	48T62934F30	DIO,ZEN.RD7.5MB1 -CP
ZD5302	48T62934F30	DIO,ZEN.RD7.5MB1 -CP
ZD8001	48T25064Y02	DIO,ZEN ZSH5MA27A-ED
ZD8002	48T62934F15	DIO,ZEN RD4.7MB1 -CP
ZD8003	48T62934F31	DIO,ZEN.RD7.5MB2 -CP
ZD8004	48T62934F22	DIO,ZEN.RD5.6MB2 -CP
ZD8005	48T62934F15	DIO,ZEN RD4.7MB1 -CP
ZD8006	48T62934F24	DIO,ZEN.RD6.2MB1 -CP
ZD8007	48T62934F19	DIO,ZEN.RD5.1MB2 -CP
ZD9501	48T75035W01	DIO,ZEN LM40402.5-CP
Coils		
L2001	24T75195W44	IND,LFC32 33RJ -CP
L2002	24T75195W46	IND,LFC32 47RJ -CP
L2011	24T95456W23	FBI,BLM11B252SDPT-CP
L2201	24T95456W22	IND,BLM11B471SBPT-CP
L2202	24T95456W23	FBI,BLM11B252SDPT-CP
L2203	24T95456W23	FBI,BLM11B252SDPT-CP
L5001	24T95456W04	IND,BLM11B141SPT -CP
L5601	24T75195W38	IND,LFC32 10RJ -CP
L8001	24T25578Y10	IND,D124C 47RM -EA
L8002	24T85339W09	IND,CDRH125 47RM -EA
L8003	24T85339W09	IND,CDRH125 47RM -EA
L9501	24T15758Y12	IND,NLFC 68RK -CP
L9502	24T75195W34	IND,LFC32 4R7J -CP
L9503	24T75195W37	IND,LFC32 8R2J -CP
L9504	24T75195W36	IND,LFC32 6R8J -CP
L9505	24T15758Y12	IND,NLFC 68RK -CP
Filters		
CF8001	91T95452W03	EMI,NFM39R02C101 -CP
CF8002	91T95452W03	EMI,NFM39R02C101 -CP
Z8001	91T75198W05	EMI,NFM61R30T472T-E1
Z8002	91T75198W05	EMI,NFM61R30T472T-E1
Z8003	91T75198W05	EMI,NFM61R30T472T-E1
Z8004	91T75198W05	EMI,NFM61R30T472T-E1
Z8005	91T75198W05	EMI,NFM61R30T472T-E1
Crystals		
XL2202	91T35621Y04	XTL,FX0-34FL 36.8-E5
XL5001	91T25038Y10	XTL,CX-11F 12.50M-E5
XL5301	91T45433W12	XTL,CP12A 4.000M -E9
XL5302	91T95084W02	XTL,CS20 12.288M -E9
XL5601	91T25038Y12	XTL,CX-11F 32.00M-E5
XL9502	91T35539Y01	XTL,2720T 27.000M-E2
Thermistor		
TH5301	48T15104Y06	TMT,TH20-3S104GT -CP
Capacitors		
C2001	08S65128F78	CAP,CER.223K-B1H -CP
C2002	08S65128F78	CAP,CER.223K-B1H -CP
C2003	08S65128F78	CAP,CER.223K-B1H -CP
C2004	08S82122F39	CAP,CER.121J-CH1H-CP
C2005	08S82122F43	CAP,CER.181J-CH1H-CP
C2006	08S82122F48	CAP,CER.301J-CH1H-CP
C2007	08S82122F39	CAP,CER.121J-CH1H-CP
C2008	08S82122F43	CAP,CER.181J-CH1H-CP
C2009	08S82122F48	CAP,CER.301J-CH1H-CP
C2010	08S65128F78	CAP,CER.223K-B1H -CP
C2011	08S65128F78	CAP,CER.223K-B1H -CP
C2012	08S65128F88	CAP,CER 104K-B1H -CP
C2013	08S65128F78	CAP,CER.223K-B1H -CP
C2014	08S65128F69	CAP,CER.103K-B1H -CP
C2101	08S65128F88	CAP,CER 104K-B1H -CP
C2102	08S65128F78	CAP,CER.223K-B1H -CP
C2201	08S65128F78	CAP,CER.223K-B1H -CP
C2202	08S65128F69	CAP,CER.103K-B1H -CP
C2203	08S65128F69	CAP,CER.103K-B1H -CP
C2206	08S65128F88	CAP,CER 104K-B1H -CP
C2211	08S65128F88	CAP,CER 104K-B1H -CP
C2212	08T15349Y01	CAP,CER 105K-B1A -CP
C2213	08S65128F88	CAP,CER 104K-B1H -CP
C5001	08S82122F20	CAP,CER.20RJ-CH1H-CP
C5002	08S82122F20	CAP,CER.20RJ-CH1H-CP
C5003	08S65128F78	CAP,CER.223K-B1H -CP
C5004	08S65128F78	CAP,CER.223K-B1H -CP
C5005	08S65128F78	CAP,CER.223K-B1H -CP
C5006	08S65128F78	CAP,CER.223K-B1H -CP

Symbol No.	Part No.	Description
C5007	08S65128F78	CAP, CER. 223K-B1H -CP
C5008	08S65128F78	CAP, CER. 223K-B1H -CP
C5009	08S65128F78	CAP, CER. 223K-B1H -CP
C5010	08S65128F78	CAP, CER. 223K-B1H -CP
C5011	08S65128F78	CAP, CER. 223K-B1H -CP
C5012	08S65128F78	CAP, CER. 223K-B1H -CP
C5013	08S65128F69	CAP, CER. 103K-B1H -CP
C5014	08S65128F88	CAP, CER 104K-B1H -CP
C5015	08S65128F78	CAP, CER. 223K-B1H -CP
C5016	08S65128F69	CAP, CER. 103K-B1H -CP
C5017	08S65128F69	CAP, CER. 103K-B1H -CP
C5301	08S65128F78	CAP, CER. 223K-B1H -CP
C5302	08S82122F23	CAP, CER. 27RJ-CH1H-CP
C5303	08S82122F23	CAP, CER. 27RJ-CH1H-CP
C5304	08S65128F78	CAP, CER. 223K-B1H -CP
C5305	08S65128F88	CAP, CER 104K-B1H -CP
C5306	08S65128F88	CAP, CER 104K-B1H -CP
C5307	08S82122F37	CAP, CER. 101J-CH1H-CP
C5308	08S65128F88	CAP, CER 104K-B1H -CP
C5309	08S82122F13	CAP, CER. 10RD-CH1H-CP
C5310	08S82122F13	CAP, CER. 10RD-CH1H-CP
C5311	08S65128F78	CAP, CER. 223K-B1H -CP
C5312	08S82122F13	CAP, CER. 10RD-CH1H-CP
C5313	08S82122F13	CAP, CER. 10RD-CH1H-CP
C5314	08S65128F78	CAP, CER. 223K-B1H -CP
C5315	08S65128F88	CAP, CER 104K-B1H -CP
C5316	08S65128F78	CAP, CER. 223K-B1H -CP
C5318	08S82122F13	CAP, CER. 10RD-CH1H-CP
C5319	08S82122F13	CAP, CER. 10RD-CH1H-CP
C5320	08S65128F78	CAP, CER. 223K-B1H -CP
C5321	08S65128F69	CAP, CER. 103K-B1H -CP
C5322	08S65128F88	CAP, CER 104K-B1H -CP
C5601	08S65128F78	CAP, CER. 223K-B1H -CP
C5602	08S65128F78	CAP, CER. 223K-B1H -CP
C5603	08S65128F78	CAP, CER. 223K-B1H -CP
C5604	08S65128F78	CAP, CER. 223K-B1H -CP
C5605	08S65128F78	CAP, CER. 223K-B1H -CP
C5606	08S65128F78	CAP, CER. 223K-B1H -CP
C5607	08S65128F78	CAP, CER. 223K-B1H -CP
C5608	08S65128F78	CAP, CER. 223K-B1H -CP
C5609	08S65128F78	CAP, CER. 223K-B1H -CP
C5610	08S65128F78	CAP, CER. 223K-B1H -CP
C5611	08S65128F78	CAP, CER. 223K-B1H -CP
C5612	08S65128F78	CAP, CER. 223K-B1H -CP
C5613	08S65128F78	CAP, CER. 223K-B1H -CP
C5614	08S65128F78	CAP, CER. 223K-B1H -CP
C5615	08S65128F78	CAP, CER. 223K-B1H -CP
C5616	08S65128F78	CAP, CER. 223K-B1H -CP
C5617	08S82122F10	CAP, CER. 7R0D-CH1H-CP

Symbol No.	Part No.	Description
C5618	08S82122F10	CAP, CER. 7R0D-CH1H-CP
C5619	08S65128F78	CAP, CER. 223K-B1H -CP
C5620	08S65128F88	CAP, CER 104K-B1H -CP
C5621	08S65128F88	CAP, CER 104K-B1H -CP
C5622	08S65128F88	CAP, CER 104K-B1H -CP
C5623	08S65128F88	CAP, CER 104K-B1H -CP
C5624	08S65128F88	CAP, CER 104K-B1H -CP
C5625	08S65128F78	CAP, CER. 223K-B1H -CP
C5626	08S65128F78	CAP, CER. 223K-B1H -CP
C5627	08S65128F78	CAP, CER. 223K-B1H -CP
C5628	08S65128F69	CAP, CER. 103K-B1H -CP
C5629	08S65128F69	CAP, CER. 103K-B1H -CP
C8001	08S65128F78	CAP, CER. 223K-B1H -CP
C8002	08S65128F78	CAP, CER. 223K-B1H -CP
C8003	08S65128F78	CAP, CER. 223K-B1H -CP
C8004	08S65128F78	CAP, CER. 223K-B1H -CP
C8005	08S65128F78	CAP, CER. 223K-B1H -CP
C8006	08S65128F78	CAP, CER. 223K-B1H -CP
C8007	08S65128F78	CAP, CER. 223K-B1H -CP
C8008	08S65128F88	CAP, CER 104K-B1H -CP
C8009	08S65128F78	CAP, CER. 223K-B1H -CP
C8010	08S65128F88	CAP, CER 104K-B1H -CP
C8011	08S65128F78	CAP, CER. 223K-B1H -CP
C8012	08S65128F88	CAP, CER 104K-B1H -CP
C8013	08T15349Y01	CAP, CER 105K-B1A -CP
C9501	08S65128F88	CAP, CER 104K-B1H -CP
C9502	08T15349Y01	CAP, CER 105K-B1A -CP
C9504	08S65128F88	CAP, CER 104K-B1H -CP
C9506	08S65128F88	CAP, CER 104K-B1H -CP
C9507	08S65128F88	CAP, CER 104K-B1H -CP
C9508	08S65128F88	CAP, CER 104K-B1H -CP
C9509	08S82122F29	CAP, CER. 47RJ-CH1H-CP
C9510	08S82122F42	CAP, CER. 161J-CH1H-CP
C9511	08S82122F19	CAP, CER. 18RJ-CH1H-CP
C9512	08S65128F78	CAP, CER. 223K-B1H -CP
C9513	08S65128F78	CAP, CER. 223K-B1H -CP
C9514	08S65128F78	CAP, CER. 223K-B1H -CP
C9515	08S65128F78	CAP, CER. 223K-B1H -CP
C9516	08S65128F78	CAP, CER. 223K-B1H -CP
C9517	08S65128F78	CAP, CER. 223K-B1H -CP
C9518	08S65128F78	CAP, CER. 223K-B1H -CP
C9519	08S65128F78	CAP, CER. 223K-B1H -CP
C9520	08S65128F78	CAP, CER. 223K-B1H -CP
C9521	08S65128F78	CAP, CER. 223K-B1H -CP
C9522	08S82122F13	CAP, CER. 10RD-CH1H-CP
C9523	08S65128F88	CAP, CER 104K-B1H -CP
C9524	08S65128F78	CAP, CER. 223K-B1H -CP
C9525	08S65128F78	CAP, CER. 223K-B1H -CP
C9526	08S65128F78	CAP, CER. 223K-B1H -CP

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Symbol No.	Part No.	Description
C9527	08S65128F78	CAP, CER. 223K-B1H -CP
C9528	08S65128F78	CAP, CER. 223K-B1H -CP
C9529	08S65128F78	CAP, CER. 223K-B1H -CP
C9530	08S65128F88	CAP, CER 104K-B1H -CP
C9532	08S65128F78	CAP, CER. 223K-B1H -CP
C9533	08S65128F78	CAP, CER. 223K-B1H -CP
C9534	08S65128F78	CAP, CER. 223K-B1H -CP
C9535	08S65128F78	CAP, CER. 223K-B1H -CP
C9536	08S65128F88	CAP, CER 104K-B1H -CP
C9537	08S65128F69	CAP, CER. 103K-B1H -CP
C9538	08S65128F69	CAP, CER. 103K-B1H -CP
C9539	08S65128F69	CAP, CER. 103K-B1H -CP
E2001	23T25615Y43	CAP, ZT 22R-1V -E6
E2002	23T25615Y43	CAP, ZT 22R-1V -E6
E2003	23T25615Y43	CAP, ZT 22R-1V -E6
E2004	23T25615Y57	CAP, ZT 3R3-1H -E2
E2005	23T25615Y57	CAP, ZT 3R3-1H -E2
E2006	23T25615Y57	CAP, ZT 3R3-1H -E2
E2007	23T25615Y57	CAP, ZT 3R3-1H -E2
E2008	23T25615Y43	CAP, ZT 22R-1V -E6
E2009	23T25615Y43	CAP, ZT 22R-1V -E6
E2010	23T25615Y43	CAP, ZT 22R-1V -E6
E2011	23T25615Y43	CAP, ZT 22R-1V -E6
E2101	23S65134W32	CAP, ELY 22R-1C(5)-E3
E2201	23T35735Y02	CAP, MVY 101-1C -E6
E2203	23T25615Y43	CAP, ZT 22R-1V -E6
E5001	23T15765Y78	CAP, TAN 22R-1C-E -E1
E5002	23T15765Y78	CAP, TAN 22R-1C-E -E1
E5003	23T15765Y78	CAP, TAN 22R-1C-E -E1
E5004	23T15765Y23	CAP, TAN 47R-1C-G -E2
E5301	23T15765Y78	CAP, TAN 22R-1C-E -E1
E5302	23T15765Y78	CAP, TAN 22R-1C-E -E1
E5303	23T25615Y43	CAP, ZT 22R-1V -E6
E5304	23T25615Y57	CAP, ZT 3R3-1H -E2
E5305	23T25615Y57	CAP, ZT 3R3-1H -E2
E5306	23T25615Y57	CAP, ZT 3R3-1H -E2
E5307	23T25615Y57	CAP, ZT 3R3-1H -E2
E5308	23T25615Y43	CAP, ZT 22R-1V -E6
E5309	23T25615Y57	CAP, ZT 3R3-1H -E2
E5310	23T25615Y57	CAP, ZT 3R3-1H -E2
E5311	23T25615Y57	CAP, ZT 3R3-1H -E2
E5312	23T25615Y57	CAP, ZT 3R3-1H -E2
E5313	23T15765Y78	CAP, TAN 22R-1C-E -E1
E5314	23T25615Y43	CAP, ZT 22R-1V -E6
E5316	23T25615Y43	CAP, ZT 22R-1V -E6
E5401	23T15765Y78	CAP, TAN 22R-1C-E -E1
E5601	23T15765Y23	CAP, TAN 47R-1C-G -E2
E5602	23T15765Y23	CAP, TAN 47R-1C-G -E2
E5603	23T15765Y78	CAP, TAN 22R-1C-E -E1

Symbol No.	Part No.	Description
E5604	23T35735Y02	CAP, MVY 101-1C -E6
E5605	23T35735Y02	CAP, MVY 101-1C -E6
E8001	23T00181L31	CAP, NSI 222-1E-M +
E8002	23T35735Y03	CAP, MVY 221-1E -EA
E8003	23T35735Y03	CAP, MVY 221-1E -EA
E8004	23T35735Y04	CAP, MVY 331-1E -EA
E8005	23S65134W47	CAP, ELY 101-1E(8)-E6
E8006	23S65134W44	CAP, ELY 22R-1E(6)-E6
E8008	23S65134W32	CAP, ELY 22R-1C(5)-E3
E8009	23S65134W32	CAP, ELY 22R-1C(5)-E3
E8011	23S65134W46	CAP, ELY 47R-1E(6)-E6
E8012	23S55311W35	CAP, TAN 10R-1C-B -CP
E8013	23S65134W34	CAP, ELY 47R-1C(6)-E6
E8014	23S65134W32	CAP, ELY 22R-1C(5)-E3
E8017	23S65134W24	CAP, ELY 221-1A(8)-E6
E8018	23S55311W35	CAP, TAN 10R-1C-B -CP
E8019	23S65134W32	CAP, ELY 22R-1C(5)-E3
E8020	23T35735Y02	CAP, MVY 101-1C -E6
E8021	23T35735Y02	CAP, MVY 101-1C -E6
E8022	23T35735Y02	CAP, MVY 101-1C -E6
E9501	23S65134W46	CAP, ELY 47R-1E(6)-E6
E9503	23S65134W44	CAP, ELY 22R-1E(6)-E6
E9504	23S65134W47	CAP, ELY 101-1E(8)-E6
E9505	23S65134W46	CAP, ELY 47R-1E(6)-E6
E9506	23S65134W36	CAP, ELY 221-1C(8)-EA
E9507	23S65134W36	CAP, ELY 221-1C(8)-EA
E9508	23T15765Y23	CAP, TAN 47R-1C-G -E2
E9509	23T15765Y23	CAP, TAN 47R-1C-G -E2

Resistors

R2001	06S15594Y04	RES, RK 184F 1/10 -CP
R2002	06S15593Y69	RES, RK 682F 1/10 -CP
R2003	06S15593Y69	RES, RK 682F 1/10 -CP
R2004	06S15593Y69	RES, RK 682F 1/10 -CP
R2005	06S15593Y69	RES, RK 682F 1/10 -CP
R2006	06S45674W64	RES, RK 202J 1/10 -CP
R2007	06S45674W85	RES, RK 153J 1/10 -CP
R2008	06S45674W85	RES, RK 153J 1/10 -CP
R2009	06S15304Y70	RES, RK 752J 1/10 -CP
R2010	06S45674W86	RES, RK 163J 1/10 -CP
R2011	06S45674W74	RES, RK 512J 1/10 -CP
R2012	06S45674W64	RES, RK 202J 1/10 -CP
R2013	06S45674W85	RES, RK 153J 1/10 -CP
R2014	06S45674W85	RES, RK 153J 1/10 -CP
R2015	06S15304Y70	RES, RK 752J 1/10 -CP
R2016	06S45674W86	RES, RK 163J 1/10 -CP
R2017	06S45674W74	RES, RK 512J 1/10 -CP

Symbol No.	Part No.	Description
R2018	06S45674W97	RES, RK 473J 1/10 -CP
R2019	06S15593Y91	RES, RK 563F 1/10 -CP
R2020	06S15594Y11	RES, RK 364F 1/10 -CP
R2025	06S45674W43	RES, RK 271J 1/10 -CP
R2101	06S15594Y15	RES, RK 514F 1/10 -CP
R2102	06S45674W79	RES, RK 822J 1/10 -CP
R2103	06S45674W21	RES, RK 33RJ 1/10 -CP
R2201	06S15593Y51	RES, RK 122F 1/10 -CP
R2202	06S15593Y63	RES, RK 392F 1/10 -CP
R2203	06S15593Y75	RES, RK 123F 1/10 -CP
R2204	06S15593Y75	RES, RK 123F 1/10 -CP
R2205	06S15593Y63	RES, RK 392F 1/10 -CP
R2206	06S15593Y51	RES, RK 122F 1/10 -CP
R2207	06S15593Y29	RES, RK 151F 1/10 -CP
R2208	06S45674W97	RES, RK 473J 1/10 -CP
R2209	06S45674W97	RES, RK 473J 1/10 -CP
R2210	06S45674W97	RES, RK 473J 1/10 -CP
R2214	06S45674W09	RES, RK 10RJ 1/10 -CP
R2217	06S45674W29	RES, RK 68RJ 1/10 -CP
R2221	06S15593Y92	RES, RK 623F 1/10 -CP
R2223	06S15593Y90	RES, RK 513F 1/10 -CP
R2227	06S45674W09	RES, RK 10RJ 1/10 -CP
R5001	06S45674W21	RES, RK 33RJ 1/10 -CP
R5002	06S45674W29	RES, RK 68RJ 1/10 -CP
R5006	06S45674W81	RES, RK 103J 1/10 -CP
R5009	06S45674W81	RES, RK 103J 1/10 -CP
R5012	06S45674W09	RES, RK 10RJ 1/10 -CP
R5013	06S45674W29	RES, RK 68RJ 1/10 -CP
R5014	06S45674W29	RES, RK 68RJ 1/10 -CP
R5015	06S45674W81	RES, RK 103J 1/10 -CP
R5016	06S45674W81	RES, RK 103J 1/10 -CP
R5017	06S45674W57	RES, RK 102J 1/10 -CP
R5027	06S45674W81	RES, RK 103J 1/10 -CP
R5028	06S45674W57	RES, RK 102J 1/10 -CP
R5029	06S45674W57	RES, RK 102J 1/10 -CP
R5036	06S45674W29	RES, RK 68RJ 1/10 -CP
R5037	06S15594Y17	RES, RK 624F 1/10 -CP
R5046	06S45674W81	RES, RK 103J 1/10 -CP
R5051	06S45674W81	RES, RK 103J 1/10 -CP
R5301	06S45675W30	RES, RK 105J 1/10 -CP
R5302	06S45675W22	RES, RK 474J 1/10 -CP
R5303	06S45675W18	RES, RK 334J 1/10 -CP
R5304	06S45674W81	RES, RK 103J 1/10 -CP
R5305	06S45674W85	RES, RK 153J 1/10 -CP
R5306	06S45674W81	RES, RK 103J 1/10 -CP
R5307	06S45674W79	RES, RK 822J 1/10 -CP
R5308	06S45674W91	RES, RK 273J 1/10 -CP
R5309	06S45674W61	RES, RK 152J 1/10 -CP
R5310	06S45674W65	RES, RK 222J 1/10 -CP

Symbol No.	Part No.	Description
R5311	06S45674W65	RES, RK 222J 1/10 -CP
R5312	06S45674W61	RES, RK 152J 1/10 -CP
R5313	06S70072F19	RES, CP .39R-J-1/4-CP
R5314	06S70072F19	RES, CP .39R-J-1/4-CP
R5315	06S70072F19	RES, CP .39R-J-1/4-CP
R5316	06S70072F19	RES, CP .39R-J-1/4-CP
R5317	06S70072F05	RES, CP .10R-J-1/4-CP
R5318	06S45674W80	RES, RK 912J 1/10 -CP
R5319	06S45674W58	RES, RK 112J 1/10 -CP
R5320	06S45674W73	RES, RK 472J 1/10 -CP
R5321	06S45674W97	RES, RK 473J 1/10 -CP
R5322	06S45674W97	RES, RK 473J 1/10 -CP
R5323	06S45674W86	RES, RK 163J 1/10 -CP
R5324	06S45674W86	RES, RK 163J 1/10 -CP
R5325	06S45674W86	RES, RK 163J 1/10 -CP
R5326	06S45674W86	RES, RK 163J 1/10 -CP
R5327	06S45674W17	RES, RK 22RJ 1/10 -CP
R5328	06S45674W86	RES, RK 163J 1/10 -CP
R5329	06S45674W09	RES, RK 10RJ 1/10 -CP
R5330	06S45674W86	RES, RK 163J 1/10 -CP
R5331	06S45674W86	RES, RK 163J 1/10 -CP
R5332	06S45674W86	RES, RK 163J 1/10 -CP
R5333	06S45674W09	RES, RK 10RJ 1/10 -CP
R5334	06S45675W02	RES, RK 683J 1/10 -CP
R5335	06S45674W81	RES, RK 103J 1/10 -CP
R5336	06S45674W81	RES, RK 103J 1/10 -CP
R5337	06S45674W81	RES, RK 103J 1/10 -CP
R5338	06S15593Y75	RES, RK 123F 1/10 -CP
R5339	06S45674W33	RES, RK 101J 1/10 -CP
R5340	06S45674W97	RES, RK 473J 1/10 -CP
R5341	06S45674W97	RES, RK 473J 1/10 -CP
R5342	06S45674W33	RES, RK 101J 1/10 -CP
R5343	06S45674W33	RES, RK 101J 1/10 -CP
R5344	06S45674W33	RES, RK 101J 1/10 -CP
R5345	06S45674W49	RES, RK 471J 1/10 -CP
R5346	06S45674W49	RES, RK 471J 1/10 -CP
R5347	06S15593Y92	RES, RK 623F 1/10 -CP
R5348	06S45674W54	RES, RK 751J 1/10 -CP
R5349	06S45674W54	RES, RK 751J 1/10 -CP
R5350	06S45674W45	RES, RK 331J 1/10 -CP
R5351	06S15593Y92	RES, RK 623F 1/10 -CP
R5355	06S45674W53	RES, RK 681J 1/10 -CP
R5356	06S45674W97	RES, RK 473J 1/10 -CP
R5357	06S45674W53	RES, RK 681J 1/10 -CP
R5358	06S45674W97	RES, RK 473J 1/10 -CP
R5359	06S45674W33	RES, RK 101J 1/10 -CP
R5360	06S45674W33	RES, RK 101J 1/10 -CP
R5361	06S15593Y75	RES, RK 123F 1/10 -CP
R5362	06S15593Y75	RES, RK 123F 1/10 -CP

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Symbol No.	Part No.	Description
R5365	06S45675W43	RES, RK JUMPER1/10-CP
R5368	06S45674W17	RES, RK 22RJ 1/10 -CP
R5369	06S45674W97	RES, RK 473J 1/10 -CP
R5370	06S45674W97	RES, RK 473J 1/10 -CP
R5371	06S45674W73	RES, RK 472J 1/10 -CP
R5372	06S45674W17	RES, RK 22RJ 1/10 -CP
R5374	06S45675W43	RES, RK JUMPER1/10-CP
R5376	06S45674W81	RES, RK 103J 1/10 -CP
R5377	06S15593Y75	RES, RK 123F 1/10 -CP
R5380	06S45674W57	RES, RK 102J 1/10 -CP
R5381	06S45674W61	RES, RK 152J 1/10 -CP
R5382	06S15594Y13	RES, RK 434F 1/10 -CP
R5383	06S15593Y92	RES, RK 623F 1/10 -CP
R5385	06S45674W77	RES, RK 682J 1/10 -CP
R5386	06S45674W77	RES, RK 682J 1/10 -CP
R5401	06S45674W90	RES, RK 243J 1/10 -CP
R5402	06T25178Y75	RES, RK 681F 1/4 -CP
R5403	06S15593Y62	RES, RK 362F 1/10 -CP
R5404	06S45674W97	RES, RK 473J 1/10 -CP
R5405	06S45674W97	RES, RK 473J 1/10 -CP
R5406	06S45674W73	RES, RK 472J 1/10 -CP
R5601	06S45674W33	RES, RK 101J 1/10 -CP
R5602	06S45675W30	RES, RK 105J 1/10 -CP
R5603	06S45674W49	RES, RK 471J 1/10 -CP
R5604	06S45674W57	RES, RK 102J 1/10 -CP
R5605	06S45674W57	RES, RK 102J 1/10 -CP
R5606	06S45674W81	RES, RK 103J 1/10 -CP
R5607	06S45675W43	RES, RK JUMPER1/10-CP
R5608	06S45674W81	RES, RK 103J 1/10 -CP
R5609	06S45674W81	RES, RK 103J 1/10 -CP
R5610	06S45674W81	RES, RK 103J 1/10 -CP
R5612	06S45674W25	RES, RK 47RJ 1/10 -CP
R5615	06S15594Y15	RES, RK 514F 1/10 -CP
R5616	06S15594Y10	RES, RK 334F 1/10 -CP
R5617	06S15594Y09	RES, RK 304F 1/10 -CP
R5620	06S45674W25	RES, RK 47RJ 1/10 -CP
R5621	06S45675W43	RES, RK JUMPER1/10-CP
R5622	06S45674W33	RES, RK 101J 1/10 -CP
R5623	06S45674W35	RES, RK 121J 1/10 -CP
R5626	06S15594Y12	RES, RK 394F 1/10 -CP
R5627	06S15593Y93	RES, RK 683F 1/10 -CP
R5646	06S45674W81	RES, RK 103J 1/10 -CP
R5647	06S45674W75	RES, RK 562J 1/10 -CP
R5648	06S45674W57	RES, RK 102J 1/10 -CP
R5649	06S45674W81	RES, RK 103J 1/10 -CP
R5666	06S45674W81	RES, RK 103J 1/10 -CP
R5667	06S45674W81	RES, RK 103J 1/10 -CP
R5668	06S45674W81	RES, RK 103J 1/10 -CP
R5669	06S45674W81	RES, RK 103J 1/10 -CP

Symbol No.	Part No.	Description
R5670	06S45674W81	RES, RK 103J 1/10 -CP
R5671	06S45674W81	RES, RK 103J 1/10 -CP
R5672	06S45674W81	RES, RK 103J 1/10 -CP
R5673	06S45674W81	RES, RK 103J 1/10 -CP
R5674	06S45674W81	RES, RK 103J 1/10 -CP
R5675	06S45674W75	RES, RK 562J 1/10 -CP
R5676	06S45674W57	RES, RK 102J 1/10 -CP
R5679	06S45675W43	RES, RK JUMPER1/10-CP
R5681	06S45675W43	RES, RK JUMPER1/10-CP
R5690	06S45674W27	RES, RK 56RJ 1/10 -CP
R5691	06S45674W45	RES, RK 331J 1/10 -CP
R5703	06S45675W43	RES, RK JUMPER1/10-CP
R8002	06S45674W97	RES, RK 473J 1/10 -CP
R8003	06S15593Y89	RES, RK 473F 1/10 -CP
R8004	06S15594Y14	RES, RK 474F 1/10 -CP
R8005	06S15593Y49	RES, RK 102F 1/10 -CP
R8006	06S15593Y65	RES, RK 472F 1/10 -CP
R8007	06S15593Y93	RES, RK 683F 1/10 -CP
R8008	06S45674W90	RES, RK 243J 1/10 -CP
R8009	06T25178Y87	RES, RK 222F 1/4 -CP
R8010	06S15594Y13	RES, RK 434F 1/10 -CP
R8011	06S70072F69	RES, CP .472-J-1/4-CP
R8012	06T25178Y82	RES, RK 132F 1/4 -CP
R8013	06S15594Y20	RES, RK 824F 1/10 -CP
R8016	06S15593Y75	RES, RK 123F 1/10 -CP
R8017	06S45674W90	RES, RK 243J 1/10 -CP
R8018	06S70072F59	RES, CP .182-J-1/4-CP
R8019	06S15594Y11	RES, RK 364F 1/10 -CP
R8020	06S15593Y69	RES, RK 682F 1/10 -CP
R8021	06S15593Y87	RES, RK 393F 1/10 -CP
R8022	06S15594Y15	RES, RK 514F 1/10 -CP
R8023	06S15593Y71	RES, RK 822F 1/10 -CP
R8024	06S15593Y59	RES, RK 272F 1/10 -CP
R8025	06S15593Y55	RES, RK 182F 1/10 -CP
R8026	06S15593Y49	RES, RK 102F 1/10 -CP
R8028	06S15593Y90	RES, RK 513F 1/10 -CP
R8030	06S15593Y94	RES, RK 753F 1/10 -CP
R8031	06S15594Y15	RES, RK 514F 1/10 -CP
R8034	06S15594Y16	RES, RK 564F 1/10 -CP
R9501	06S45674W81	RES, RK 103J 1/10 -CP
R9502	06S15593Y18	RES, RK 51RF 1/10 -CP
R9503	06S15593Y21	RES, RK 68RF 1/10 -CP
R9505	06S15593Y59	RES, RK 272F 1/10 -CP
R9506	06S45674W81	RES, RK 103J 1/10 -CP
R9507	06S45675W02	RES, RK 683J 1/10 -CP
R9508	06S45674W81	RES, RK 103J 1/10 -CP
R9509	06S70072F45	RES, CP .471-J-1/4-CP
R9510	06S45674W17	RES, RK 22RJ 1/10 -CP
R9511	06S95432W51	RES, RK 391J 1/8 -CP

Symbol No.	Part No.	Description
R9512	06S45674W93	RES, RK 333J 1/10 -CP
R9513	06S15593Y43	RES, RK 561F 1/10 -CP
R9514	06S15593Y51	RES, RK 122F 1/10 -CP
R9515	06S15593Y51	RES, RK 122F 1/10 -CP
R9516	06S70072F41	RES, CP .331-J-1/4-CP
R9517	06S70072F41	RES, CP .331-J-1/4-CP
R9518	06S35083Y11	RES, RK 68RF 1/4 -CP
R9519	06S70072F77	RES, CP .103-J-1/4-CP
R9520	06S95432W51	RES, RK 391J 1/8 -CP
R9521	06S45674W63	RES, RK 182J 1/10 -CP
R9522	06S45674W81	RES, RK 103J 1/10 -CP
R9524	06S45674W81	RES, RK 103J 1/10 -CP
R9525	06S15594Y10	RES, RK 334F 1/10 -CP
R9526	06S45674W09	RES, RK 10RJ 1/10 -CP
R9527	06S45674W81	RES, RK 103J 1/10 -CP
R9528	06S45674W81	RES, RK 103J 1/10 -CP
R9529	06S15594Y12	RES, RK 394F 1/10 -CP
R9530	06S95434W38	RES, RK 36RJ 1/4 -CP
R9531	06S15594Y15	RES, RK 514F 1/10 -CP
R9534	06S45674W29	RES, RK 68RJ 1/10 -CP
R9535	06S45674W49	RES, RK 471J 1/10 -CP
R9537	06S45674W81	RES, RK 103J 1/10 -CP
R9538	06S45674W81	RES, RK 103J 1/10 -CP
R9539	06S45674W33	RES, RK 101J 1/10 -CP
R9545	06S45674W43	RES, RK 271J 1/10 -CP
RA2201	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA5001	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5002	06S15771Y37	RES, ARYEXB28V103J-CP
RA5004	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA5005	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5006	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5007	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5008	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5009	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5010	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5011	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5012	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5013	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5014	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5015	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5016	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5017	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5018	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA5401	06S45591W06	RES, ARY MNR102J 4-CP
RA5402	06S45591W06	RES, ARY MNR102J 4-CP
RA5403	06S45591W06	RES, ARY MNR102J 4-CP
RA5404	06S45591W06	RES, ARY MNR102J 4-CP
RA5602	06S15771Y13	RES, ARYEXB28V101J-CP
RA5603	06S15771Y13	RES, ARYEXB28V101J-CP

Symbol No.	Part No.	Description
RA5604	06S15771Y13	RES, ARYEXB28V101J-CP
RA5605	06S15771Y13	RES, ARYEXB28V101J-CP
RA5606	06S15771Y13	RES, ARYEXB28V101J-CP
RA5607	06S15771Y13	RES, ARYEXB28V101J-CP
RA5608	06S15771Y09	RES, ARYEXB28V47RJ-CP
RA5609	06S15771Y09	RES, ARYEXB28V47RJ-CP
RA5610	06S15771Y09	RES, ARYEXB28V47RJ-CP
RA5611	06S15771Y10	RES, ARYEXB28V56RJ-CP
RA5612	06S15771Y10	RES, ARYEXB28V56RJ-CP
RA5613	06S15771Y10	RES, ARYEXB28V56RJ-CP
RA5614	06S15771Y10	RES, ARYEXB28V56RJ-CP
RA5615	06S15771Y10	RES, ARYEXB28V56RJ-CP
RA5616	06S15771Y10	RES, ARYEXB28V56RJ-CP
RA5617	06S15771Y10	RES, ARYEXB28V56RJ-CP
RA5618	06S15771Y10	RES, ARYEXB28V56RJ-CP
RA5619	06S15771Y09	RES, ARYEXB28V47RJ-CP
RA5620	06S15771Y09	RES, ARYEXB28V47RJ-CP
RA5621	06S15771Y09	RES, ARYEXB28V47RJ-CP
RA5622	06S15771Y09	RES, ARYEXB28V47RJ-CP
RA5623	06S15771Y13	RES, ARYEXB28V101J-CP
RA5624	06S15771Y13	RES, ARYEXB28V101J-CP
RA5625	06S15771Y13	RES, ARYEXB28V101J-CP
RA5626	06S15771Y13	RES, ARYEXB28V101J-CP
RA5627	06S15771Y13	RES, ARYEXB28V101J-CP
RA5628	06S15771Y13	RES, ARYEXB28V101J-CP
RA5629	06S15771Y13	RES, ARYEXB28V101J-CP
RA5630	06S15771Y13	RES, ARYEXB28V101J-CP
RA9501	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA9502	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA9503	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA9504	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA9505	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA9506	06S15771Y05	RES, ARYEXB28V22RJ-CP
RA9507	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA9508	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA9509	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA9510	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA9511	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA9512	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA9513	06S15771Y11	RES, ARYEXB28V68RJ-CP
RA9514	06S15771Y10	RES, ARYEXB28V56RJ-CP

Connectors

CB5301	09T85454W06	WTB, 53398-0690 -E9
CB5401	09T15108Y22	FFC, 52437-2291 -E9
CB5601	09T35050Y50	FFC, FH12S-50S -EQ
CB8002	09T25397Y14	WTB, B(14)B-PH-SM3-EQ

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Symbol No.	Part No.	Description
CB8003	09T25397Y09	WTB, B(9)B-PH-SM3 -ED
CB8005	09T81032F02	WTB, 53014-0210 -DS
Front P.W.Board		
IC		
IC5501	51T55353W06	TC7W14F -SE2
Transistors		
Q5501	48T94606F02	TR, DTC114YUA-T106-CP
Q5502	48T94606F02	TR, DTC114YUA-T106-CP
Q5503	48T94606F02	TR, DTC114YUA-T106-CP
Q5504	48T94606F02	TR, DTC114YUA-T106-CP
Q5505	48T94606F02	TR, DTC114YUA-T106-CP
Q5506	48T94606F02	TR, DTC114YUA-T106-CP
Q5507	48T94606F02	TR, DTC114YUA-T106-CP
Q5508	48T94606F02	TR, DTC114YUA-T106-CP
Q5509	48T94606F02	TR, DTC114YUA-T106-CP
Q5510	48T94606F02	TR, DTC114YUA-T106-CP
Q5511	48T94606F02	TR, DTC114YUA-T106-CP
Q5512	48T94606F02	TR, DTC114YUA-T106-CP
Q5513	48T94606F02	TR, DTC114YUA-T106-CP
Q5514	48T94606F02	TR, DTC114YUA-T106-CP
Q5515	48T94606F02	TR, DTC114YUA-T106-CP
Q5516	48T94606F02	TR, DTC114YUA-T106-CP
Q5517	48T94606F02	TR, DTC114YUA-T106-CP
Q5518	48T94606F02	TR, DTC114YUA-T106-CP
Q5519	48T94606F02	TR, DTC114YUA-T106-CP
Q5520	48T94606F02	TR, DTC114YUA-T106-CP
Q5521	48T94606F02	TR, DTC114YUA-T106-CP
Q5522	48T94606F02	TR, DTC114YUA-T106-CP
Q5523	48T94606F02	TR, DTC114YUA-T106-CP
Q5524	48T94606F02	TR, DTC114YUA-T106-CP
Q5525	48T94606F02	TR, DTC114YUA-T106-CP
Q5526	48T94606F02	TR, DTC114YUA-T106-CP
Q5527	48T94606F02	TR, DTC114YUA-T106-CP
Q5528	48T94606F02	TR, DTC114YUA-T106-CP
Q5529	48T94606F02	TR, DTC114YUA-T106-CP
Q5530	48T94606F02	TR, DTC114YUA-T106-CP
Q5531	48T94606F10	TR, DTC124XUA-T106-CP

Symbol No.	Part No.	Description
Diodes		
ZD5501	48T62934F18	DIO, ZEN. RD5.1MB1 -CP
LED's		
LD5362	48T25534Y07	LED, BLU DB1111C -CP
LD5501	48T35118Y01	LED, GRN RBG1102W -CP
LD5502	48T35118Y01	LED, GRN RBG1102W -CP
LD5503	48T35118Y01	LED, GRN RBG1102W -CP
LD5504	48T35118Y01	LED, GRN RBG1102W -CP
LD5505	48T35118Y01	LED, GRN RBG1102W -CP
LD5506	48T35118Y01	LED, GRN RBG1102W -CP
LD5507	48T35118Y01	LED, GRN RBG1102W -CP
LD5508	48T35118Y01	LED, GRN RBG1102W -CP
LD5509	48T35118Y01	LED, GRN RBG1102W -CP
LD5510	48T35118Y01	LED, GRN RBG1102W -CP
LD5511	48T35118Y01	LED, GRN RBG1102W -CP
LD5513	48T75261W01	LED, SML-020PDTT87-CP (ORG/GRN)
LD5514	48T75261W01	LED, SML-020PDTT87-CP (ORG/GRN)
LD5515	48T75261W01	LED, SML-020PDTT87-CP (ORG/GRN)
LD5516	48T75261W01	LED, SML-020PDTT87-CP (ORG/GRN)
LD5517	48T75261W01	LED, SML-020PDTT87-CP (ORG/GRN)
LD5518	48T75261W01	LED, SML-020PDTT87-CP (ORG/GRN)
Switches		
SW5501	40T45074W01	SW , TACT SKQGAD SE3 (RESET)
SW5502	40T15375Y01	SW, DETCT SPVC1-N +(EJECT)
Buzzer		
BZ5501	50T15447Y01	BUZZER, PKM13EPY-4002
Capacitors		
C5501	08T15349Y01	CAP, CER 105K-B1A -CP
C5502	08S45676W85	CAP, CER 104K-B1C -CP
C5503	08S82122F43	CAP, CER. 181J-CH1H-CP
C5504	08S82122F43	CAP, CER. 181J-CH1H-CP
C5505	08S82122F43	CAP, CER. 181J-CH1H-CP
C5506	08S82122F43	CAP, CER. 181J-CH1H-CP
C5507	08S82122F43	CAP, CER. 181J-CH1H-CP
C5508	08S82122F43	CAP, CER. 181J-CH1H-CP
C5509	08S82122F43	CAP, CER. 181J-CH1H-CP
C5510	08S82122F43	CAP, CER. 181J-CH1H-CP

Symbol No.	Part No.	Description
C5511	08S82122F43	CAP, CER. 181J-CH1H-CP
C5512	08S82122F43	CAP, CER. 181J-CH1H-CP
C5513	08S82122F43	CAP, CER. 181J-CH1H-CP
C5514	08S82122F43	CAP, CER. 181J-CH1H-CP
C5515	08S82122F43	CAP, CER. 181J-CH1H-CP
C5516	08S82122F43	CAP, CER. 181J-CH1H-CP
C5517	08S82122F43	CAP, CER. 181J-CH1H-CP
C5518	08S82122F43	CAP, CER. 181J-CH1H-CP
C5519	08S82122F43	CAP, CER. 181J-CH1H-CP
C5520	08S82122F43	CAP, CER. 181J-CH1H-CP
C5521	08S82122F43	CAP, CER. 181J-CH1H-CP
C5522	08S82122F43	CAP, CER. 181J-CH1H-CP
C5523	08S82122F43	CAP, CER. 181J-CH1H-CP
C5524	08S82122F43	CAP, CER. 181J-CH1H-CP
C5525	08S82122F43	CAP, CER. 181J-CH1H-CP
C5526	08S82122F43	CAP, CER. 181J-CH1H-CP
C5527	08S65128F78	CAP, CER. 223K-B1H -CP

Resistors

R5501	06S45675W06	RES, RK 104J 1/10 -CP
R5502	06S45675W06	RES, RK 104J 1/10 -CP
R5503	06S45675W06	RES, RK 104J 1/10 -CP
R5504	06S45674W93	RES, RK 333J 1/10 -CP
R5505	06S45674W81	RES, RK 103J 1/10 -CP
R5506	06S45674W93	RES, RK 333J 1/10 -CP
R5507	06S45674W73	RES, RK 472J 1/10 -CP
R5508	06S45674W73	RES, RK 472J 1/10 -CP
R5509	06S45674W73	RES, RK 472J 1/10 -CP
R5510	06S45674W73	RES, RK 472J 1/10 -CP
R5511	06S45674W73	RES, RK 472J 1/10 -CP
R5512	06S45674W73	RES, RK 472J 1/10 -CP
R5513	06S45675W43	RES, RK JUMPER1/10-CP
R5514	06S45675W06	RES, RK 104J 1/10 -CP
R5515	06S70072F38	RES, CP .241-J-1/4-CP
R5516	06S70072F38	RES, CP .241-J-1/4-CP
R5517	06S70072F38	RES, CP .241-J-1/4-CP
R5518	06S70072F38	RES, CP .241-J-1/4-CP
R5519	06S70072F38	RES, CP .241-J-1/4-CP
R5520	06S70072F38	RES, CP .241-J-1/4-CP
R5521	06S70072F38	RES, CP .241-J-1/4-CP
R5522	06S70072F38	RES, CP .241-J-1/4-CP
R5523	06S70072F38	RES, CP .241-J-1/4-CP
R5524	06S70072F38	RES, CP .241-J-1/4-CP
R5525	06S70072F38	RES, CP .241-J-1/4-CP
R5526	06S70072F38	RES, CP .241-J-1/4-CP
R5527	06S45674W73	RES, RK 472J 1/10 -CP
R5528	06S70072F38	RES, CP .241-J-1/4-CP

Symbol No.	Part No.	Description
R5529	06S70072F38	RES, CP .241-J-1/4-CP
R5530	06S45674W73	RES, RK 472J 1/10 -CP
R5531	06S70072F38	RES, CP .241-J-1/4-CP
R5532	06S70072F38	RES, CP .241-J-1/4-CP
R5533	06S45674W73	RES, RK 472J 1/10 -CP
R5534	06S70072F38	RES, CP .241-J-1/4-CP
R5535	06S70072F38	RES, CP .241-J-1/4-CP
R5536	06S45674W73	RES, RK 472J 1/10 -CP
R5537	06S70072F38	RES, CP .241-J-1/4-CP
R5538	06S70072F38	RES, CP .241-J-1/4-CP
R5539	06S45674W73	RES, RK 472J 1/10 -CP
R5540	06S70072F38	RES, CP .241-J-1/4-CP
R5541	06S70072F38	RES, CP .241-J-1/4-CP
R5542	06S45674W73	RES, RK 472J 1/10 -CP
R5543	06S70072F38	RES, CP .241-J-1/4-CP
R5544	06S70072F38	RES, CP .241-J-1/4-CP
R5545	06S45674W29	RES, RK 68RJ 1/10 -CP
R5546	06S15593Y75	RES, RK 123F 1/10 -CP

Connectors

CB5501	09T15108Y22	FFC, 52437-2291 -E9

Main-LSI P.W.Board

IC's

IC1	51T25208Y01	TC9453F -QT
IC2	51T15550Y01	MSM514260CP-60TSK-ST
IC3	51T25532Y01	TC74VHC00FT -SE5
IC4	51T25207Y01	TA1254AF -QT
IC5	51T15731W10	TC7S66F-TE85L -CP
IC7	51T25503Y01	BA5985FM-E2 -SEA
IC9	51T95360W02	NJU7201U32-TE1 -NE2
IC11	51T25264Y01	BA6858AFP-E2 -SEA
IC12	51T95558W01	BA033FP-E2 -NE5
IC14	51T15550Y01	MSM514260CP-60TSK-ST
IC15	51T96065F02	IC ,M51957BFP -SE2
IC17	51T25209Y01	TC9469BF -QT
IC18	51T25542Y07	OTP, M30620ECGP

Transistors

Q1	48T73888F12	TR ,CP. FMC2-99
Q2	48T80611F01	CP. 2SB1132-QR-101-E3

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Symbol No.	Part No.	Description
Q3	48T62967F03	TR, DTC124EKA-T146-CP
Q4	48T62967F03	TR, DTC124EKA-T146-CP
Q5	48T73888F08	TR , CP. FMG1-99
Diodes		
D1	48T25651W02	DIO, MA152WK-TX -CP
D2	48T81063F01	DIO, CP. MA159 / TX-CP
D3	48T81063F01	DIO, CP. MA159 / TX-CP
D4	48T25651W01	DIO, CP MA152WA
D5	48T25651W01	DIO, CP MA152WA
Crystals		
CL1	91T15326Y04	OSC, CER CSTCV22MX-E1
CL2	91T15326Y05	OSC, CER CSTCV15MX-E1
CL3	91T75576W06	OSC, CER EF0J3605E-E2
Capacitors		
C1	08S65128F78	CAP, CER. 223K-B1H -CP
C2	08S35374W01	CAP, CER 104K-B1E-CP
C3	08T15349Y01	CAP, CER 105K-B1A -CP
C4	08S45676W12	CAP, CER. 10RD-SL1H-CP
C5	08S45676W12	CAP, CER. 10RD-SL1H-CP
C6	08S45676W36	CAP, CER. 101J-SL1H-CP
C9	08T15349Y01	CAP, CER 105K-B1A -CP
C10	08S35374W01	CAP, CER 104K-B1E-CP
C11	08S45676W36	CAP, CER. 101J-SL1H-CP
C12	08S35374W01	CAP, CER 104K-B1E-CP
C13	08S65128F78	CAP, CER. 223K-B1H -CP
C14	08S45676W65	CAP, CER. 222K-B1H -CP
C15	08S45676W71	CAP, CER. 682K-B1H -CP
C16	08S35374W06	CAP, CER 154K-B1C -CP
C17	08S45676W65	CAP, CER. 222K-B1H -CP
C18	08S45676W36	CAP, CER. 101J-SL1H-CP
C19	08S45676W73	CAP, CER. 103K-B1H -CP
C20	08S45676W65	CAP, CER. 222K-B1H -CP
C21	08S45676W62	CAP, CER. 122J-SL1H-CP
C22	08S65128F78	CAP, CER. 223K-B1H -CP
C26	08S45676W75	CAP, CER. 153K-B1H -CP
C27	08S45676W54	CAP, CER 561J-SL1H-CP
C28	08S35374W01	CAP, CER 104K-B1E-CP
C29	08S45676W65	CAP, CER. 222K-B1H -CP
C30	08S45676W65	CAP, CER. 222K-B1H -CP
C31	08S35374W01	CAP, CER 104K-B1E-CP
C32	08S35374W01	CAP, CER 104K-B1E-CP

Symbol No.	Part No.	Description
C33	08S45676W60	CAP, CER. 102J-SL1H-CP
C34	08S45676W60	CAP, CER. 102J-SL1H-CP
C35	08S45676W60	CAP, CER. 102J-SL1H-CP
C36	08T15349Y01	CAP, CER 105K-B1A -CP
C37	08S65128F78	CAP, CER. 223K-B1H -CP
C41	08S65128F78	CAP, CER. 223K-B1H -CP
C42	08S35374W01	CAP, CER 104K-B1E-CP
C43	08S35374W01	CAP, CER 104K-B1E-CP
C44	08S35374W01	CAP, CER 104K-B1E-CP
C45	08S35374W01	CAP, CER 104K-B1E-CP
C46	08S35374W01	CAP, CER 104K-B1E-CP
C47	08S65128F78	CAP, CER. 223K-B1H -CP
C48	08S45676W80	CAP, CER 223K-B1E -CP
C49	08S35374W01	CAP, CER 104K-B1E-CP
C50	08S35374W01	CAP, CER 104K-B1E-CP
C51	08S65128F78	CAP, CER. 223K-B1H -CP
C52	08S65128F78	CAP, CER. 223K-B1H -CP
C53	08S65128F78	CAP, CER. 223K-B1H -CP
C54	08S35374W01	CAP, CER 104K-B1E-CP
C55	08S35374W01	CAP, CER 104K-B1E-CP
C58	08S45676W75	CAP, CER. 153K-B1H -CP
C59	08S45676W60	CAP, CER. 102J-SL1H-CP
C60	08S35374W01	CAP, CER 104K-B1E-CP
C62	08S45676W65	CAP, CER. 222K-B1H -CP
C63	08S45676W65	CAP, CER. 222K-B1H -CP
C64	08S45676W42	CAP, CER 181J-SL1H-CP
C65	08T55487W02	CAP, CER. 224K-B1C -CP
C66	08S45676W33	CAP, CER 75RJ-SL1H-CP
C67	08S35374W01	CAP, CER 104K-B1E-CP
C71	08S35374W01	CAP, CER 104K-B1E-CP
C72	08S65128F78	CAP, CER. 223K-B1H -CP
C75	08S65128F78	CAP, CER. 223K-B1H -CP
C77	08S35374W01	CAP, CER 104K-B1E-CP
C78	08S65128F78	CAP, CER. 223K-B1H -CP
C79	08S65128F78	CAP, CER. 223K-B1H -CP
C80	08S65128F78	CAP, CER. 223K-B1H -CP
C81	08S35374W01	CAP, CER 104K-B1E-CP
C84	08S35374W01	CAP, CER 104K-B1E-CP
C85	08S65128F78	CAP, CER. 223K-B1H -CP
C86	08S65128F78	CAP, CER. 223K-B1H -CP
C89	08S35374W01	CAP, CER 104K-B1E-CP
C90	08S65128F78	CAP, CER. 223K-B1H -CP
C91	08S65128F78	CAP, CER. 223K-B1H -CP
C92	08S65128F78	CAP, CER. 223K-B1H -CP
C93	08S65128F78	CAP, CER. 223K-B1H -CP
C94	08S65128F78	CAP, CER. 223K-B1H -CP
C95	08S65128F78	CAP, CER. 223K-B1H -CP
C96	08S65128F78	CAP, CER. 223K-B1H -CP
C97	08S65128F78	CAP, CER. 223K-B1H -CP

Symbol No.	Part No.	Description
C98	08S65128F78	CAP, CER. 223K-B1H -CP
C99	08S35374W01	CAP, CER 104K-B1E-CP
C100	08S65128F78	CAP, CER. 223K-B1H -CP
C102	08S45676W40	CAP, CER 151J-SL1H-CP
C103	08S45676W40	CAP, CER 151J-SL1H-CP
C104	08S45676W10	CAP, CER 8R0D-SL1H-CP
C105	08S45676W10	CAP, CER 8R0D-SL1H-CP
C106	08S45676W10	CAP, CER 8R0D-SL1H-CP
C120	08S45676W80	CAP, CER 223K-B1E -CP
C121	08S45676W80	CAP, CER 223K-B1E -CP
E1	23T25191W62	CAP, E-MF22R-0J-B6-E2
E2	23T25191W62	CAP, E-MF22R-0J-B6-E2
E3	23S55311W22	CAP, TAN. 4R7-1A-A -CP
E4	23S55311W26	CAP, TAN 10R-1A-A -CP
E5	23S55311W28	CAP, TAN 22R-1A-B -CP
E6	23S55311W16	CAP, TAN 10R-0J-A -CP
E7	23S55311W26	CAP, TAN 10R-1A-A -CP
E8	23S55311W16	CAP, TAN 10R-0J-A -CP
E9	23S55311W28	CAP, TAN 22R-1A-B -CP
E10	23S55311W57	CAP, TAN 22R-1E-E -E2
E11	23S55311W28	CAP, TAN 22R-1A-B -CP
E12	23S55311W16	CAP, TAN 10R-0J-A -CP
E13	23S55311W51	CAP, TAN. 1R0-1E-A -CP
E14	23S55311W27	CAP, TAN 47R-1A-C -E2
E16	23T25191W05	CAP, E-MF10R-0J-B6-E2
E17	23S55311W56	CAP, TAN 10R-1E-C -E2
E18	23S55311W28	CAP, TAN 22R-1A-B -CP
E19	23S55311W36	CAP, TAN 47R-1C-D -E2
E20	23S55311W57	CAP, TAN 22R-1E-E -E2
E21	23S55311W36	CAP, TAN 47R-1C-D -E2
E22	23S55311W35	CAP, TAN 10R-1C-B -CP
E23	23S55311W57	CAP, TAN 22R-1E-E -E2
E24	23S55311W35	CAP, TAN 10R-1C-B -CP
E25	23S55311W16	CAP, TAN 10R-0J-A -CP
E26	23S55311W36	CAP, TAN 47R-1C-D -E2
E27	23S55311W36	CAP, TAN 47R-1C-D -E2
E28	23S55311W37	CAP, TAN 68R-1C-E -E2
E29	23S55311W35	CAP, TAN 10R-1C-B -CP

Resistors

R2	06S70072F16	RES, CP .30R-J-1/4-CP
R3	06S70072F16	RES, CP .30R-J-1/4-CP
R4	06S70072F16	RES, CP .30R-J-1/4-CP
R5	06S45674W57	RES, RK 102J 1/10 -CP
R6	06S45674W81	RES, RK 103J 1/10 -CP
R7	06S45675W13	RES, RK 204J 1/10 -CP
R8	06S45675W06	RES, RK 104J 1/10 -CP
R9	06S45674W88	RES, RK 203J 1/10 -CP
R10	06S45674W92	RES, RK 303J 1/10 -CP
R11	06S45675W13	RES, RK 204J 1/10 -CP
R12	06S45674W87	RES, RK 183J 1/10 -CP
R13	06S45674W87	RES, RK 183J 1/10 -CP
R14	06S45675W06	RES, RK 104J 1/10 -CP
R16	06S45674W81	RES, RK 103J 1/10 -CP
R17	06S45674W57	RES, RK 102J 1/10 -CP
R18	06S45674W57	RES, RK 102J 1/10 -CP
R19	06S45674W57	RES, RK 102J 1/10 -CP
R20	06S45674W57	RES, RK 102J 1/10 -CP
R21	06S45674W81	RES, RK 103J 1/10 -CP
R22	06S45674W81	RES, RK 103J 1/10 -CP
R23	06S45674W81	RES, RK 103J 1/10 -CP
R26	06S45674W97	RES, RK 473J 1/10 -CP
R27	06S45674W97	RES, RK 473J 1/10 -CP
R28	06S45674W81	RES, RK 103J 1/10 -CP
R30	06S45674W57	RES, RK 102J 1/10 -CP
R31	06S45675W43	RES, RK JUMPER1/10-CP
R32	06S45674W57	RES, RK 102J 1/10 -CP
R33	06S45675W43	RES, RK JUMPER1/10-CP
R37	06S45675W22	RES, RK 474J 1/10 -CP
R38	06S45675W22	RES, RK 474J 1/10 -CP
R39	06S45674W81	RES, RK 103J 1/10 -CP
R40	06S45674W81	RES, RK 103J 1/10 -CP
R42	06S45674W97	RES, RK 473J 1/10 -CP
R43	06S70072F21	RES, CP .47R-J-1/4-CP
R44	06S45674W81	RES, RK 103J 1/10 -CP
R45	06S45674W81	RES, RK 103J 1/10 -CP
R46	06S45674W81	RES, RK 103J 1/10 -CP
R47	06S45674W81	RES, RK 103J 1/10 -CP
R48	06S45674W97	RES, RK 473J 1/10 -CP
R49	06S45674W43	RES, RK 271J 1/10 -CP
R50	06S45674W81	RES, RK 103J 1/10 -CP
R51	06S45674W57	RES, RK 102J 1/10 -CP
R52	06S45674W97	RES, RK 473J 1/10 -CP
R54	06S45674W57	RES, RK 102J 1/10 -CP
R55	06S45674W50	RES, RK 511J 1/10 -CP
R56	06S45674W33	RES, RK 101J 1/10 -CP
R57	06S45674W87	RES, RK 183J 1/10 -CP
R58	06S45674W51	RES, RK 561J 1/10 -CP
R59	06S45675W43	RES, RK JUMPER1/10-CP
R60	06S45675W43	RES, RK JUMPER1/10-CP
R61	06S45674W97	RES, RK 473J 1/10 -CP
R62	06S45674W81	RES, RK 103J 1/10 -CP
R63	06S45674W81	RES, RK 103J 1/10 -CP
R66	06S45675W22	RES, RK 474J 1/10 -CP
R69	06S45674W33	RES, RK 101J 1/10 -CP
R70	06S45674W81	RES, RK 103J 1/10 -CP

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Symbol No.	Part No.	Description
R71	06S45675W30	RES, RK 105J 1/10 -CP
R72	06S45674W73	RES, RK 472J 1/10 -CP
R74	06S45674W81	RES, RK 103J 1/10 -CP
R75	06S45674W33	RES, RK 101J 1/10 -CP
R76	06S45674W57	RES, RK 102J 1/10 -CP
R77	06S45674W43	RES, RK 271J 1/10 -CP
R78	06S45674W43	RES, RK 271J 1/10 -CP
R80	06S70072F90	RES, CP .1R0-J-1/4-CP
R81	06S70072F90	RES, CP .1R0-J-1/4-CP
R82	06S70072F90	RES, CP .1R0-J-1/4-CP
R85	06S70072F21	RES, CP .47R-J-1/4-CP
R86	06S45674W97	RES, RK 473J 1/10 -CP
R87	06S45674W33	RES, RK 101J 1/10 -CP
R88	06S45674W88	RES, RK 203J 1/10 -CP
R89	06S45674W33	RES, RK 101J 1/10 -CP
R90	06S45674W88	RES, RK 203J 1/10 -CP
R95	06S45674W87	RES, RK 183J 1/10 -CP
R96	06S45674W88	RES, RK 203J 1/10 -CP
R97	06S45674W95	RES, RK 393J 1/10 -CP
R98	06S45674W88	RES, RK 203J 1/10 -CP
R99	06S45674W88	RES, RK 203J 1/10 -CP
R100	06S45674W80	RES, RK 912J 1/10 -CP
R101	06S45674W88	RES, RK 203J 1/10 -CP
R102	06S45674W80	RES, RK 912J 1/10 -CP
R103	06S15593Y77	RES, RK 153F 1/10 -CP
R104	06S15593Y87	RES, RK 393F 1/10 -CP
R105	06S45674W89	RES, RK 223J 1/10 -CP
R111	06S45674W97	RES, RK 473J 1/10 -CP
R112	06S45674W97	RES, RK 473J 1/10 -CP
R115	06S45674W97	RES, RK 473J 1/10 -CP
R116	06S45674W97	RES, RK 473J 1/10 -CP
R117	06S45674W89	RES, RK 223J 1/10 -CP
R122	06S45675W34	RES, RK 225J 1/10 -CP
R123	06S45674W33	RES, RK 101J 1/10 -CP
R124	06S45675W43	RES, RK JUMPER1/10-CP
R127	06S45675W43	RES, RK JUMPER1/10-CP
R128	06S45674W89	RES, RK 223J 1/10 -CP
R129	06S45674W81	RES, RK 103J 1/10 -CP
R131	06S45674W81	RES, RK 103J 1/10 -CP
R134	06S45674W19	RES, RK 27RJ 1/10 -CP
R137	06S45674W97	RES, RK 473J 1/10 -CP
R138	06S45674W97	RES, RK 473J 1/10 -CP
R140	06S45675W43	RES, RK JUMPER1/10-CP
R144	06S45674W97	RES, RK 473J 1/10 -CP
R145	06S45674W97	RES, RK 473J 1/10 -CP
R148	06S45675W26	RES, RK 684J 1/10 -CP
R149	06S45675W22	RES, RK 474J 1/10 -CP
R150	06S45675W02	RES, RK 683J 1/10 -CP
R151	06S45674W99	RES, RK 563J 1/10 -CP

Symbol No.	Part No.	Description
R152	06S45674W97	RES, RK 473J 1/10 -CP
R153	06S45674W98	RES, RK 513J 1/10 -CP
R154	06S45675W02	RES, RK 683J 1/10 -CP
R155	06S45675W43	RES, RK JUMPER1/10-CP
R156	06S45674W97	RES, RK 473J 1/10 -CP
R157	06S45674W97	RES, RK 473J 1/10 -CP
R158	06S45675W27	RES, RK 754J 1/10 -CP
R159	06S45674W97	RES, RK 473J 1/10 -CP
R160	06S45674W97	RES, RK 473J 1/10 -CP
R161	06S45674W97	RES, RK 473J 1/10 -CP
R162	06S45674W97	RES, RK 473J 1/10 -CP
R163	06S45674W97	RES, RK 473J 1/10 -CP
R164	06S45674W97	RES, RK 473J 1/10 -CP
R165	06S45674W97	RES, RK 473J 1/10 -CP
R166	06S45674W97	RES, RK 473J 1/10 -CP
R167	06S45674W97	RES, RK 473J 1/10 -CP
R168	06S45674W97	RES, RK 473J 1/10 -CP
R169	06S45674W97	RES, RK 473J 1/10 -CP
R170	06S45674W97	RES, RK 473J 1/10 -CP
R171	06S45674W97	RES, RK 473J 1/10 -CP
R172	06S45674W97	RES, RK 473J 1/10 -CP
R173	06S45674W97	RES, RK 473J 1/10 -CP
R174	06S45674W97	RES, RK 473J 1/10 -CP
R175	06S45674W97	RES, RK 473J 1/10 -CP
R176	06S45674W33	RES, RK 101J 1/10 -CP
R177	06S45674W33	RES, RK 101J 1/10 -CP
R178	06S45674W33	RES, RK 101J 1/10 -CP
R183	06S45674W33	RES, RK 101J 1/10 -CP
R186	06S45675W43	RES, RK JUMPER1/10-CP
R187	06S45674W33	RES, RK 101J 1/10 -CP
R188	06S45674W33	RES, RK 101J 1/10 -CP
R189	06S45674W33	RES, RK 101J 1/10 -CP
R192	06S45675W43	RES, RK JUMPER1/10-CP
R193	06S45675W43	RES, RK JUMPER1/10-CP
R196	06S45674W97	RES, RK 473J 1/10 -CP
R197	06S45675W43	RES, RK JUMPER1/10-CP
R198	06S45675W43	RES, RK JUMPER1/10-CP
R199	06S45675W43	RES, RK JUMPER1/10-CP
R200	06S45675W43	RES, RK JUMPER1/10-CP
R201	06S45675W43	RES, RK JUMPER1/10-CP
R202	06S45675W43	RES, RK JUMPER1/10-CP
R203	06S45674W31	RES, RK 82RJ 1/10 -CP
R204	06S45675W43	RES, RK JUMPER1/10-CP
R205	06S45675W43	RES, RK JUMPER1/10-CP
R208	06S45675W43	RES, RK JUMPER1/10-CP
R210	06S45674W33	RES, RK 101J 1/10 -CP
RA1	06T75063W09	RES, ARYEXBV8V22RJ-CP
RA2	06T75063W09	RES, ARYEXBV8V22RJ-CP
RA3	06T75063W09	RES, ARYEXBV8V22RJ-CP

Symbol No.	Part No.	Description
RA4	06T75063W09	RES, ARYEXBV8V22RJ-CP
RA5	06T75063W09	RES, ARYEXBV8V22RJ-CP
RA6	06T75063W09	RES, ARYEXBV8V22RJ-CP
RA7	06T75063W09	RES, ARYEXBV8V22RJ-CP
Connectors		
CB1	09T15107Y24	FFC, 52435-2491 -ED
CB2	09T15108Y24	FFC, 52437-2491 -ED
CB3	09T25261Y08	FFC, SFW8R-1STE1 -E9
CB4	09T25262Y08	FFC, SFW8R-2STE1 -E9
CB5	09T35050Y50	FFC, FH12S-50S -EQ
Miscellaneous		
CB8001	09T13515W04	WTB, 5569-04A1 -DB
CB8004	09T75119W02	JAC, HSJ6063-012 -DB(REMOTE EYE)
ET8002	01T45061Y01	ASSY, WIRE AI (OUT)(Ai-NET/VIDEO OUT/AUDIO OUT)
ET8003	01T45060Y01	ASSY, WIRE AI (IN)(Ai-NET)
IC2102	51T45264W02	TOTX193K -NS(OPT)
M8001	59T15055Y03	MOTOR, SF30A-12-007
DV35A040		
HD1	88T95236W03	PICK, SF-HD1AP3
M1	01V73300W33	ASSY, MOTOR-WORM(7V-370mA)
M2	01V23800Y49	ASSY, MOTOR SPINDLE(12V-330mA)
M3	01V96600W14	ASSY, MOTOR SLED(7V-385mA)
SW1	40T25956W02	SW, DETCT SPPB62 -DB (DISC INSERT/12cm PULL OUT/ 8cm EXHAUST)
SW2	40T25956W01	SW , DETECTOR (DISC INSERT/12cm PULL OUT/ 8cm EXHAUST)
SW3	40T25956W02	SW, DETCT SPPB62 -DB (12cm DISC/12cm EJECT & RELOAD)
SW4	40T25956W02	SW, DETCT SPPB62 -DB (CHUCKING END/CHUCKING CONDITION)
SW5	40T71025F01	SW, DETCT SPPB1102-DB(LIMIT)

Symbol No.	Part No.	Description

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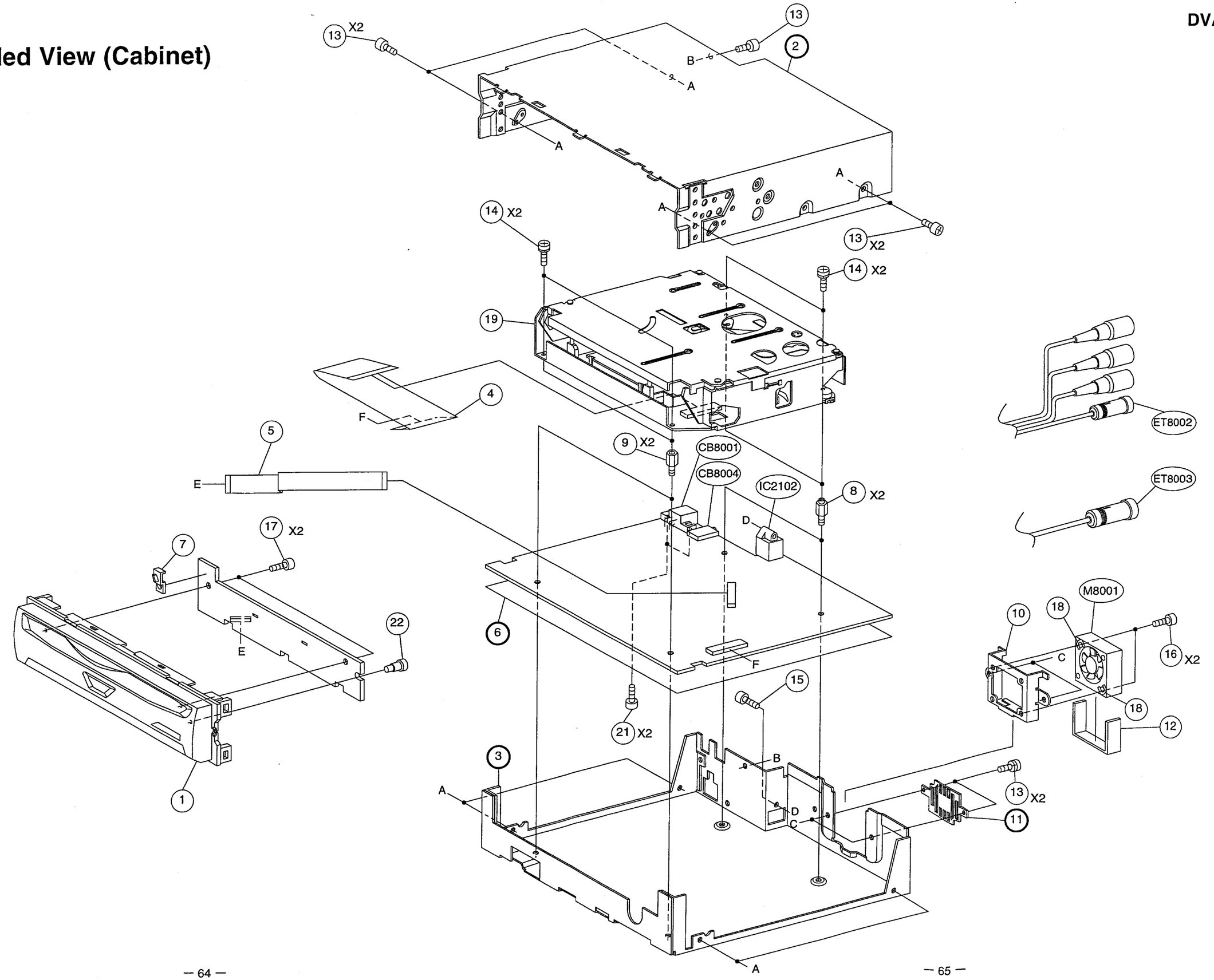
Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		13C22004Y06	NOSE,PIECE ASSY
4		30T25328Y09	FFC,SML2CD-50X97(AD)
5		30T25132Y16	FFC,SML2CD-22X122-.5
7		61A21826Y02	LENS,POW
8		47A21838Y01	SHAFT,A
9		47A21839Y01	SHAFT,B
10		07A21837Y01	BKT,FAN
12		75S21219Y38	CUS,RUB 85X10XT1
13		03S38013W66	SCR,T-TITE M2.6X5
14		03S40014G06	SCR,MCH M2.6X5
15		03S68555F01	SCR,WAVE M3X8
16		03S38013W05	SCR,T-TITE M2.6X16
17		03S70494F01	SCR,P-TITE M2X5.BI
18		14A30588Y01	INS,FAN
19		81D31613Y01	DV35A040,DVD MECH
21		03S70494F47	SCR,P-TITE M3X8
22		47A40459Y01	SHAFT,GND

Symbol No.	Index	Part No.	Description

Exploded View (Cabinet)



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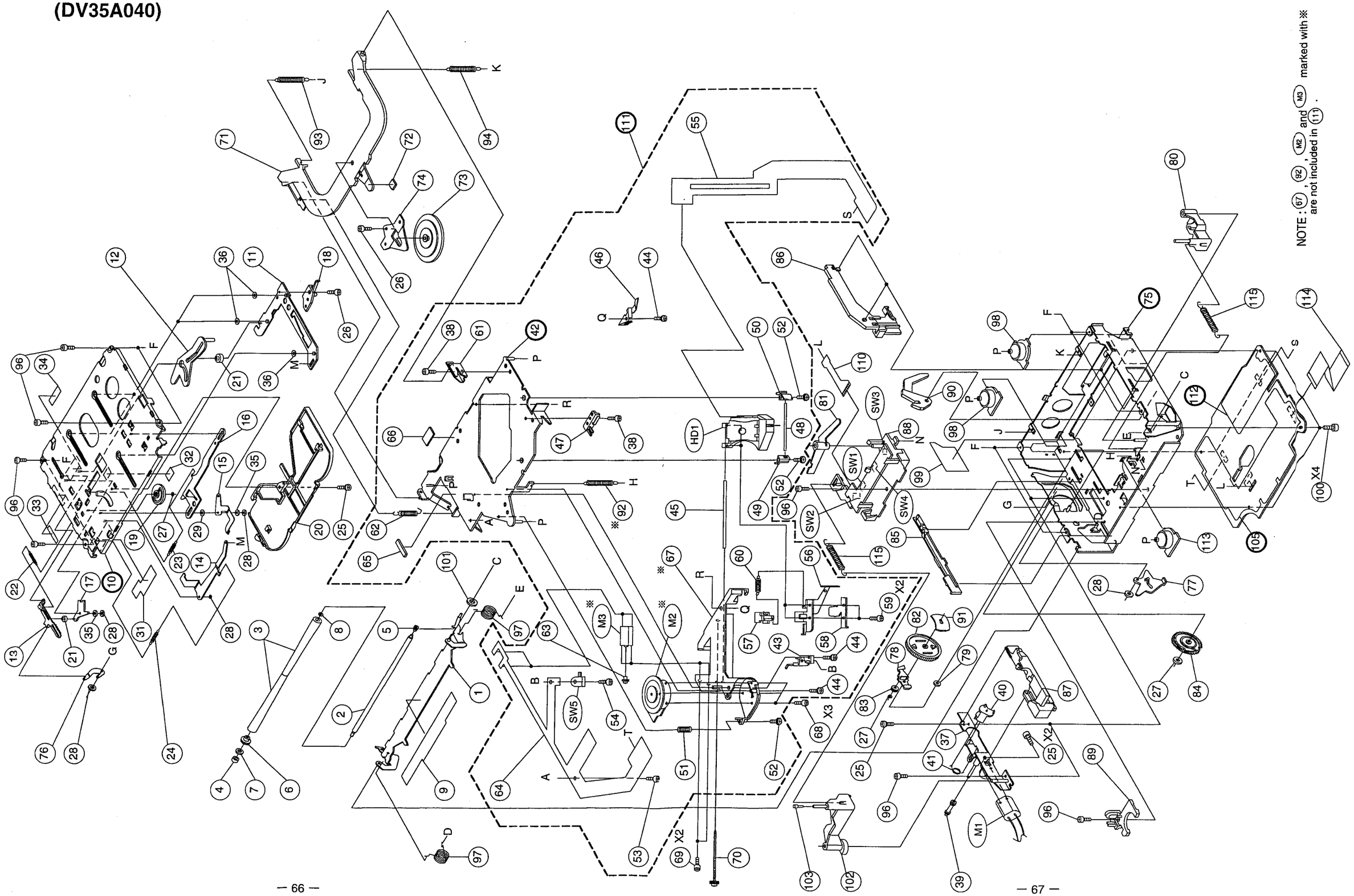
Exploded View (DVD Deck Mechanism)

(DV35A040)



DVD Deck Mechanism Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		01A91618W01	ASSY,RIV.ARM GUIDE
2		47A70613W01	SHAFT,ROLLER
3		49A71614W01	ROLLER,DP-L
4		43A70630W01	BUSH,ROLLER (R)
5		43A70631W01	BUSH,ROLLER (L)
6		44A70617W01	GEAR,(C)
7		04S40075G03	WASH,1.7X3.2X0.25
8		04S40075G09	WASH,2.6X4.7X0.25
9		14A11163Y01	INSULATOR,ARM GUIDE
11		01B30257Y01	ASSY,RIV SLIDER DC
12		01A30256Y01	ASSY,RIV LEVER ACT
13		01A30255Y01	ASSY,RIV SLIDER TR
14		45B91440W01	LEVER,RETURN
15		01A22161Y01	ASSY,RIV LEVER J
16		45B91442W01	LEVER,LOCK
17		01A11130Y01	ASSY,RIV LINK ACT
18		07A20660Y01	BKT,STOPPER DISC-2
19		44A91537W01	GEAR,CAM (T)
20		15D91539W01	GUIDE,TOP-DV
21		49A10404Y01	ROLLER,ACTUATOR
22		41B91640W01	SPRING,PULL
23		41B91640W02	SPRNIG,PULL
24		41B91640W03	SPRING,PULL
25		03S40014G66	SCR,MACHINE M2X3.5
26		03S94385F06	SCR,NYLOK M2X1.8 P1
27		04B41345P12	WASH,L. 1.7X3.5X0.35
28		04B41345P23	WASH,1.7X5X0.35
29		04S40075G72	WASH,3.1X10X0.13
31		14A11156Y01	INSULATOR,LEVER JOIN
32		14A11157Y01	INSULATOR,LEVER LOCK
33		14A11158Y01	INSULATOR,SLIDER TRG
34		14A11159Y01	INSULATOR,LEVER ACT
35		41A11203Y01	SPRING,WASHER
36		04S40075G11	WASH,3.1X5.4X0.13
37		01A91617W01	ASSY,RIV.BKT MOTOR
38		03S94385F19	SCR,NYLOK M2X2.5
39		44B91541W01	GEAR,IDLER-DV
40		45B70624W02	ARM,LOCK(L)
41		41A10403Y01	SPRING,ARM-S
43		07A90985W01	BKT,PHOTO
44		03S40014G15	SCR,MCH M2X8
45		47A90995W01	SHAFT,PICKUP
46		41A90982W01	STOPPER,SHAFT
47		07A90986W01	BKT,FPC
48		47A90995W02	SHAFT PICKUP
49		07A90983W01	BKT,SHAFT (A)
50		07A90984W01	BKT,SHAFT (B)
51		41A91651W01	SPRING,COMP
52		03A90997W01	SCREW,ADJUST
53		03S72235F76	SCR,MCH M2X2 SN
54		03S70494F12	SCR,P-TITE M2X8 BLK
55		84T25304Y01	FPC,PICKUP
56		41B90980W01	SPRING,NUT
57		07A30224Y01	BKT,SPRING NUT2
58		07A11277Y01	BKT,NUT
59		03S94385F69	SCR,NYLOK M1.7X2.5
60		41B70640W04	SPRING,PULL
61		07A90981W01	BKT,ARM CLAMP (R)
62		41B70640W06	SPRING,PULL
63		44A21734Y01	GEAR,MIDDLE-DV
64		84T25303Y01	FPC,MOTOR
65		75S81015W78	CUS,RUB 2.6X13XT0.8
66		75S81015W68	CUS,RUB 8.5X13XT0.8
67		07C90993W01	BKT,BASE
68		03S94385F01	SCR,NYLOK M1.7X2.3
69		03S94385F08	SCR,NYLOK M2X3
70		01V96600W15	ASSY,GEAR SCREW
71		07C91355W01	BKT,ARM CLAMP
72		43A20308Y01	SPACER,CLAMP
73		07A91354W01	BKT,STOPPER CLAMP
74		01V96600W16	ASSY,TABLE CLAMPER
76		01A91614W01	ASSY,RIV.LEVER-LR
77		01A91615W01	ASSY,RIV.LEVER-LM
78		01A91616W01	ASSY,RIV.ARM TIMTIG
79		04S40075G63	WASH,2.1X5.5X0.13
80		45B70626W02	LEVER,DISC (R)
81		45A70629W01	LEVER,SW
82		44A70615W01	GEAR,(A)
83		44A91542W01	GEAR,(B)-DV
84		44C91538W01	GEAR,CAM (L)
85		45C91540W01	SLIDER,LOAD-DV
86		45B70621W02	SLIDER,LOCK(R)
87		45B70622W01	SLIDER,LOCK (L)
88		07C70625W01	BKT,SW
89		07A70633W01	BKT,MOTOR-WIRE
90		45B11153Y01	ARM,LOCK(R)-DV
91		41A70606W01	SPRING,WASEHR
92		41B91640W05	SPRING,PULL
93		41B91640W06	SPRING,PULL
94		41B91640W07	SPRING,PULL
96		03S38013W29	SCR,T-TITE M2X3.5
97		41A91653W01	SPRING,ROL
98		75C10458Y02	DAMPER,DV
99		14A10260Y01	INSULATOR,CHAS BASE
100		03S38013W25	SCREW,T-TITE M2X4
101		04S40075G74	WASH,2.6X6X0.4
102		45B70627W02	LEVER,DISC (L)
103		46A91652W01	STUD,LEVER-D
110		84T25303Y02	FPC,JOINT
113		75C10458Y03	DAMPER,DV
114		30T25328Y05	FFC,SML2CD-50X116
115		41B70640W04	SPRING,PULL

ALPINE

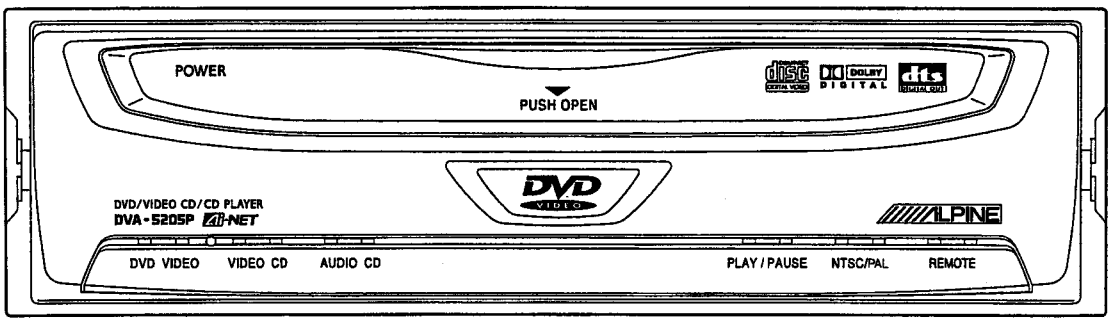
SERVICE MANUAL

DVD/VIDEO CD/CD PLAYER

DVD VIDEO VIDEO CD COMPACT disc DIGITAL VIDEO COMPACT disc DIGITAL AUDIO

— REVISED —

- The model described in this manual is developed from Model DVA-5205P. For information that is not mentioned in this service manual, refer to the Service Manual • DVA-5205P (Part No. 68E31461S01).
- Serial Numbers After No.11115501 – E



DVA-5205P

<Cautions for Safe Repair Work>

The following cautions will prevent accidents in the workplace and will ensure safe products.

●The symbols indicate caution is needed to prevent injuries and damage to property.

The symbols and their meanings follow.

⚠ Warning	If you ignore this symbol and handle the product incorrectly or unsafely, serious injury or death may result.
⚠ Caution	If you ignore this symbol and handle the product incorrectly or unsafely, injury or only material damage may result.

●The following symbols indicate two levels of cautions.

⚠	When you see this symbol, you have to be very careful.
❗	When you see this symbol, you have to follow the instructions there.

⚠ Warning

⚠ **Do not look squarely into the laser light coming from the pickup.** You may loose you sight.	❗ **Fuse Caution** Always use a designated fuse. Use of an incorrect fuse may result in a fire.

⚠ Caution

⚠ **Do not allow wiring to be caught in the screw/chassis.** If wiring is caught in the screw/chassis, it may cause a short circuit, resulting in a fire.	❗ **Battery Caution** Use the designated battery. Confirm the correct polarity and seat of the battery. An incorrect battery or an improperly connected or seated battery may result in a fire.
⚠ **High Temperature Caution** Touching the heat sink may cause severe burns.	❗ **Designated Parts Caution** Look up the part list and ensure that only designated parts are used to prevent problems or accidents.
⚠ **Reverse Power Supply Connections or Misconnections Caution** Reverse power supply connections or misconnections may cause ignition problems and smoke may result.	❗ **Wiring Caution** Ensure that the wiring is correct when rewiring to prevent problems with ignition/breakdown.
⚠ **Soldering Caution** Hot solder from solder splash may cause severe burns.	❗ **Wear Gloves** Wear gloves to prevent electrical shocks or injury from the end face of the metal.

⚠ **For the FDA laser standard, the following CAUTION label is stuck on each product.**

Please be careful for repair.

CAUTION-Laser radiation when open, DO NOT STARE INTO BEAM

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Packing Assembly Parts List
Packing Method View
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Extension Cable
Block Diagram
Description of IC Terminal
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Cabinet Assembly Parts List (DVD Deck Mechanism)

Refer to the Service Manual • DVA-5205P (Part No. 68E31461S01).

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

DVA-5205P

Specifications (Only Difference)

NOTE : Refer to the Service Manual • DVA-5205P (Part No. 68E31461S01) for description not mentioned in this manual.

<Pickup>

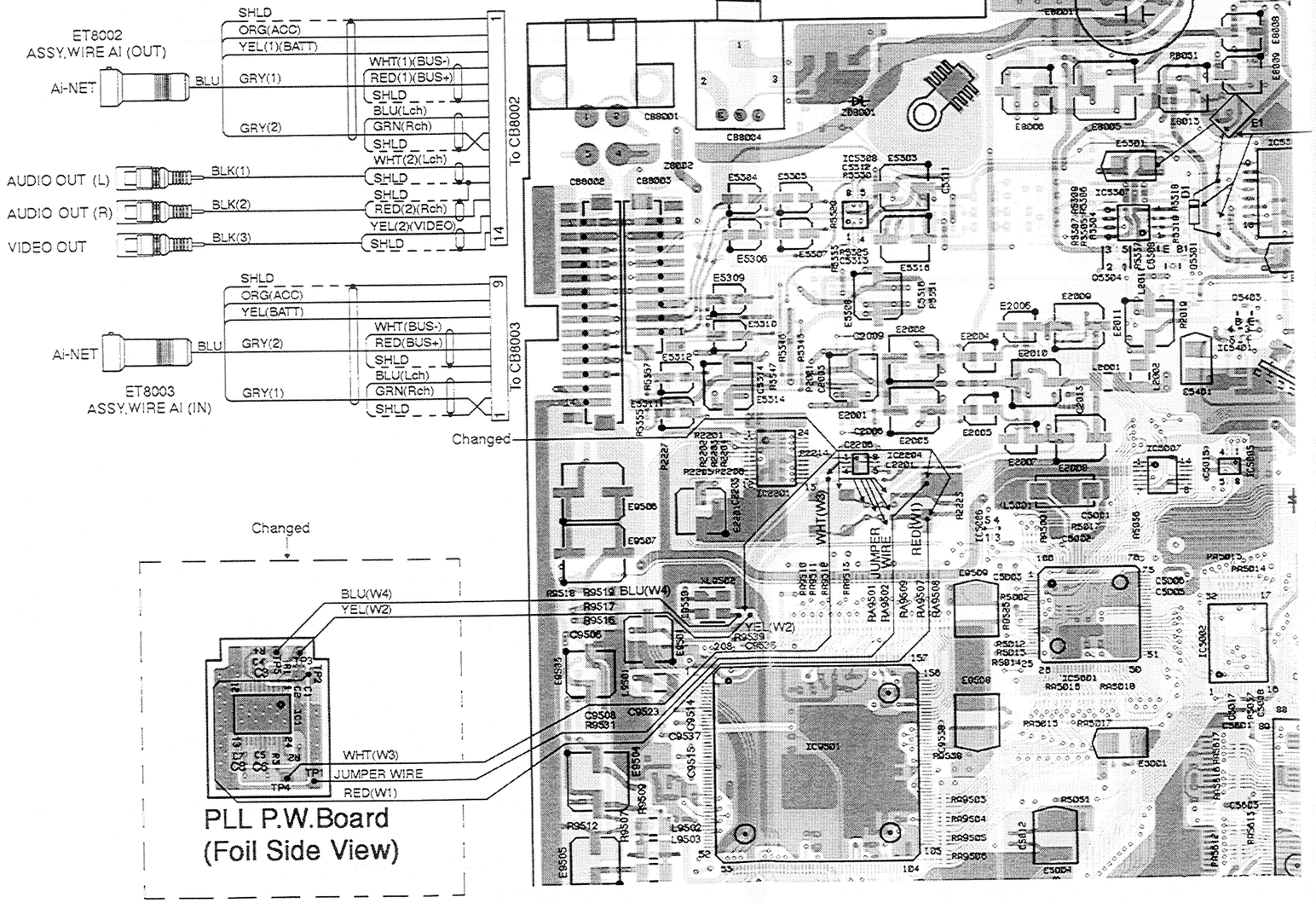
Wave Length 655mm
Laser Power ..... CLASS II

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Parts Layout on P.W.Boards and Wiring Diagram (Only Difference)

NOTE : Refer to the Service Manual · DVA-5205P(Part No.68E31461S01)
for description not mentioned in this manual.

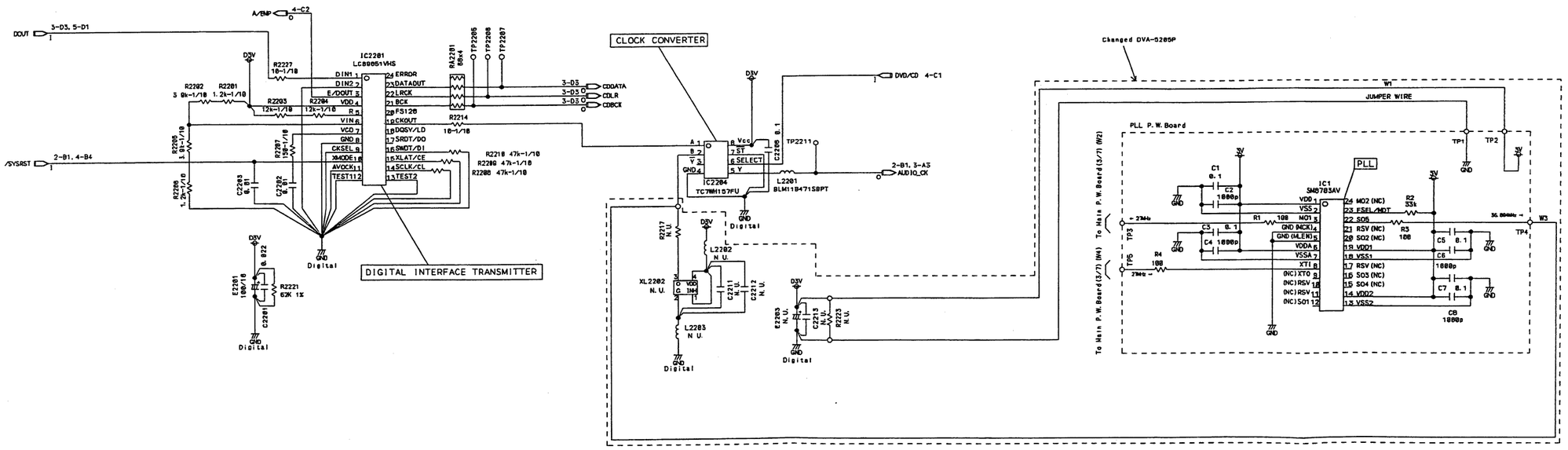
Main P.W.Board
(Component Side View)



Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Schematic Diagram(1/11) (Only Difference)

NOTE : Refer to the Service Manual·DVA-5205P (Part No. 68E31461S01)
for description not mentioned in this manual.



CD-DA Block

Main P.W.Board (1/7)

DVA-5205P

Schematic Diagram(3/11) (Only Difference)

Changed DVA-5205P

To PLL P.W.Board (Main P.W.Board(1/3))

(TP3) W2
(TP5) W4

MDRADR[0:11]

MDRDAT[0:15]

SDRAM

IC9502
MSM56V16160DP

XL9502 27MHz

IC9501
MB86373B

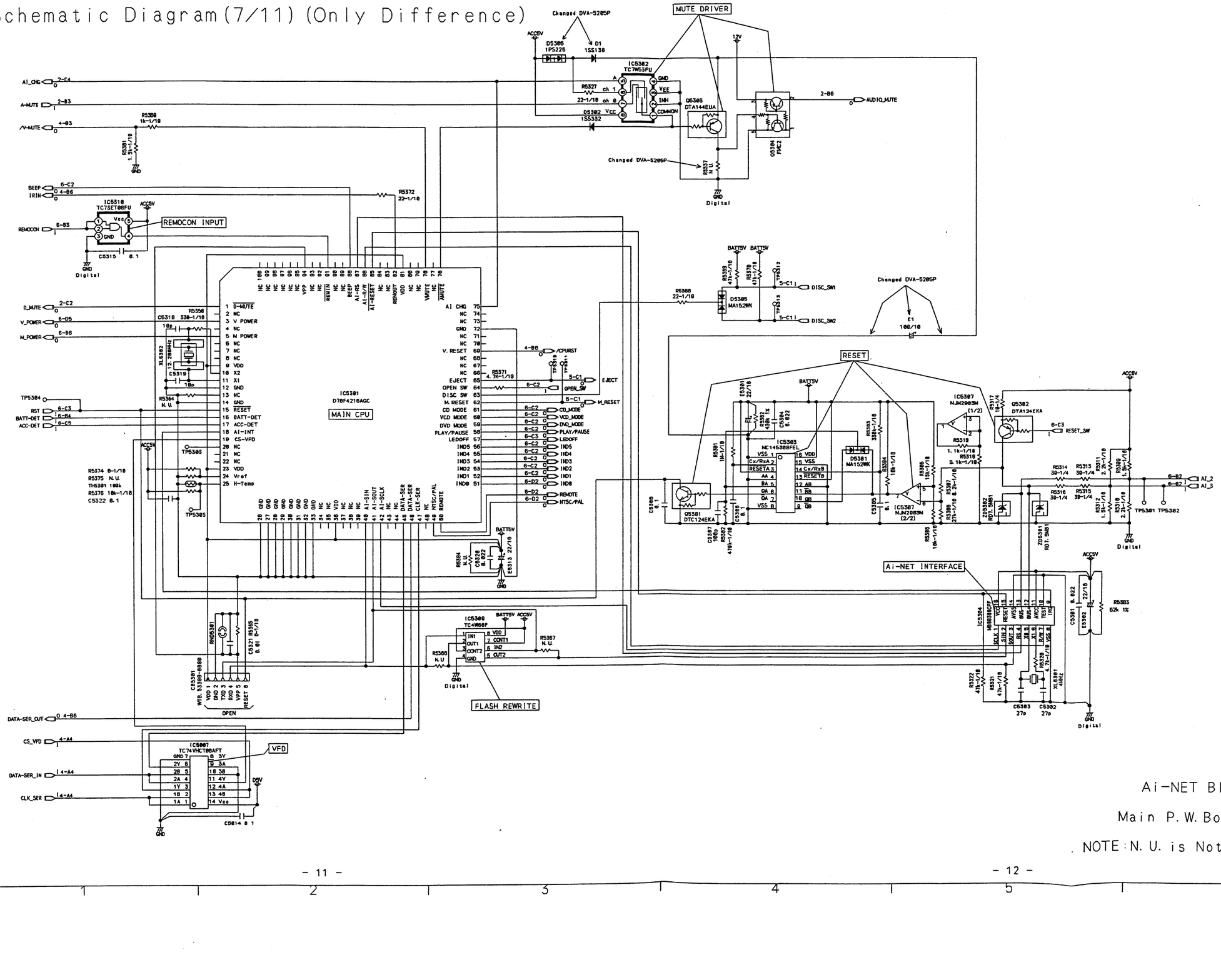
MPEG DECODER

VIDEO OUT

VIDEO MUTE

MPEG Block
Main P.W. Board(3/7)
NOTE:N.U. is Not Used Parts.

Schematic Diagram(7/11)(Only Difference)



Ai-NET Block

Main P.W. Board(7/7)

NOTE:N.U. is Not Used Parts.

Terminal Voltage of IC/TR (Only Difference)

NOTE : Refer to the Service Manual · DVA-5205P (Part No. 68E31461S01) for description not mentioned in this manual.

※IC1							
1	3.3	7	0	13	0	19	3.3
2	0	8	PS	14	3.3	20	NC
3	PS	9	NC	15	NC	21	NC
4	0	10	NC	16	NC	22	PS
5	0	11	NC	17	NC	23	3.3
6	3.3	12	NC	18	0	24	NC

※IC1 : PLL P.W.Board

IC2201	
19	PS

IC2204	
1	PS

IC5302	
6	3.3

IC5601	
76	PS

IC9501	
197	PS

	E	C	B
Q5303	3.2	0	4

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between GND
- Measuring Conditions : ·Main P.W.Board : Only DVA-5205P play (TEST DISC play)
  - ·CD : TCD-782
  - ·VIDEO CD : TVD-581A
  - ·DVD : TDV-540

Electrical Parts List (Only Difference)

NOTE : For the parts not mentioned, refer to the Service Manual for DVA-5205P (Part No. 68E31461S01).

Model	DVA-5205P		DVA-5205P -REVISED-	
Symbol No.	Part No.	Description	Part No.	Description
Main P.W.Board				
IC			IC	
IC5004	51T35453Y13	MTB, MBM29DL800TA-90	51T35453Y42	MTB, MBM29DL800TA-90
IC5301	51T35566Y14	MTP, D78F4216AGC	51T35566Y43	MTP, D78F4216AGC -QT
IC5601	51T35363Y01	MB86366PFV -QT	51T35363Y02	MB86366A -QT
Diodes			Diodes	
D1	—	———	48T70933F11	DIO, 1SS136 (T-91) -R5
D5306	48T94335F02	DIO, MA153A-TX -CP	48T85357W01	DIO, 1PS226 -CP
Coils			Coils	
L2202	24T95456W23	FBI, BLM11B252SDPT-CP	—	———
L2203	24T95456W23	FBI, BLM11B252SDPT-CP	—	———
Crystal			Crystal	
XL2202	91T35621Y04	XTL, FXO-34FL 36.8-E5	—	———
Capscitors			Capscitors	
C2211	08S65128F88	CAP, CER 104K-B1H -CP	—	———
C2212	08T15349Y01	CAP, CER 105K-B1A -CP	—	———
C2213	08S65128F88	CAP, CER 104K-B1H -CP	—	———
C8013	08T15349Y01	CAP, CER 105K-B1A -CP	08S35350Y05	CAP, CER 105K-B1A -CP
C9502	08T15349Y01	CAP, CER 105K-B1A -CP	08S35350Y05	CAP, CER 105K-B1A -CP
E1	—	———	23S75372W02	CAP, ELY 101-1A -R2
E2203	23T25615Y43	CAP, ZT 22R-1V -E6	—	———
Resistors			Resistors	
R2217	06S45674W29	RES, RK 68RJ 1/10 -CP	—	———
R2223	06S15593Y90	RES, RK 513F 1/10 -CP	06S15593Y88	RES, RK 433F 1/10 -CP
R5337	06S45674W81	RES, RK 103J 1/10 -CP	—	———
R5402	06T25178Y75	RES, RK 681F 1/4 -CP	06S35083Y23	RES, RK 681F 1/4 -CP
R8007	06S15593Y93	RES, RK 683F 1/10 -CP	06S15594Y06	RES, RK 224F 1/10 -CP
R8009	06T25178Y87	RES, RK 222F 1/4 -CP	06S35083Y29	RES, RK 222F 1/4 -CP
R8012	06T25178Y82	RES, RK 132F 1/4 -CP	06S45348Y02	RES, RK 132F 1/4 -CP

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Model	DVA-5205P		DVA-5205P -REVISED-	
Symbol No.	Part No.	Description	Part No.	Description
R8031	06S15594Y15	RES, RK 514F 1/10 -CP	06S15594Y12	RES, RK 394F 1/10 -CP
R9535	06S45674W49	RES, RK 471J 1/10 -CP	—	———
Connector			Connector	
CB8005	09T81032F02	WTB, 53014-0210 -DS	—	———
Front P.W.Board				
Capscitor			Capscitor	
C5501	08T15349Y01	CAP, CER 105K-B1A -CP	08S35350Y05	CAP, CER 105K-B1A -CP
PLL P.W.Board				
IC			IC	
IC1	—	———	51T55068Y01	SM8703AV-ET -SE6
Capscitors			Capscitors	
C1	—	———	08S45676W85	CAP, CER 104K-B1C -CP
C2	—	———	08S45677W60	CAP, CER 102J-CH1H-CP
C3	—	———	08S45676W85	CAP, CER 104K-B1C -CP
C4	—	———	08S45677W60	CAP, CER 102J-CH1H-CP
C5	—	———	08S45676W85	CAP, CER 104K-B1C -CP
C6	—	———	08S45677W60	CAP, CER 102J-CH1H-CP
C7	—	———	08S45676W85	CAP, CER 104K-B1C -CP
C8	—	———	08S45677W60	CAP, CER 102J-CH1H-CP
Resistors			Resistors	
R1	—	———	06S45674W33	RES, RK 101J 1/10 -CP
R2	—	———	06S45674W93	RES, RK 333J 1/10 -CP
R3	—	———	06S45674W33	RES, RK 101J 1/10 -CP
R4	—	———	06S45674W33	RES, RK 101J 1/10 -CP
Miscellaneous				
M8001	59T15055Y03	MOTOR, SF30A-12-007	—	———

DVA-5205P

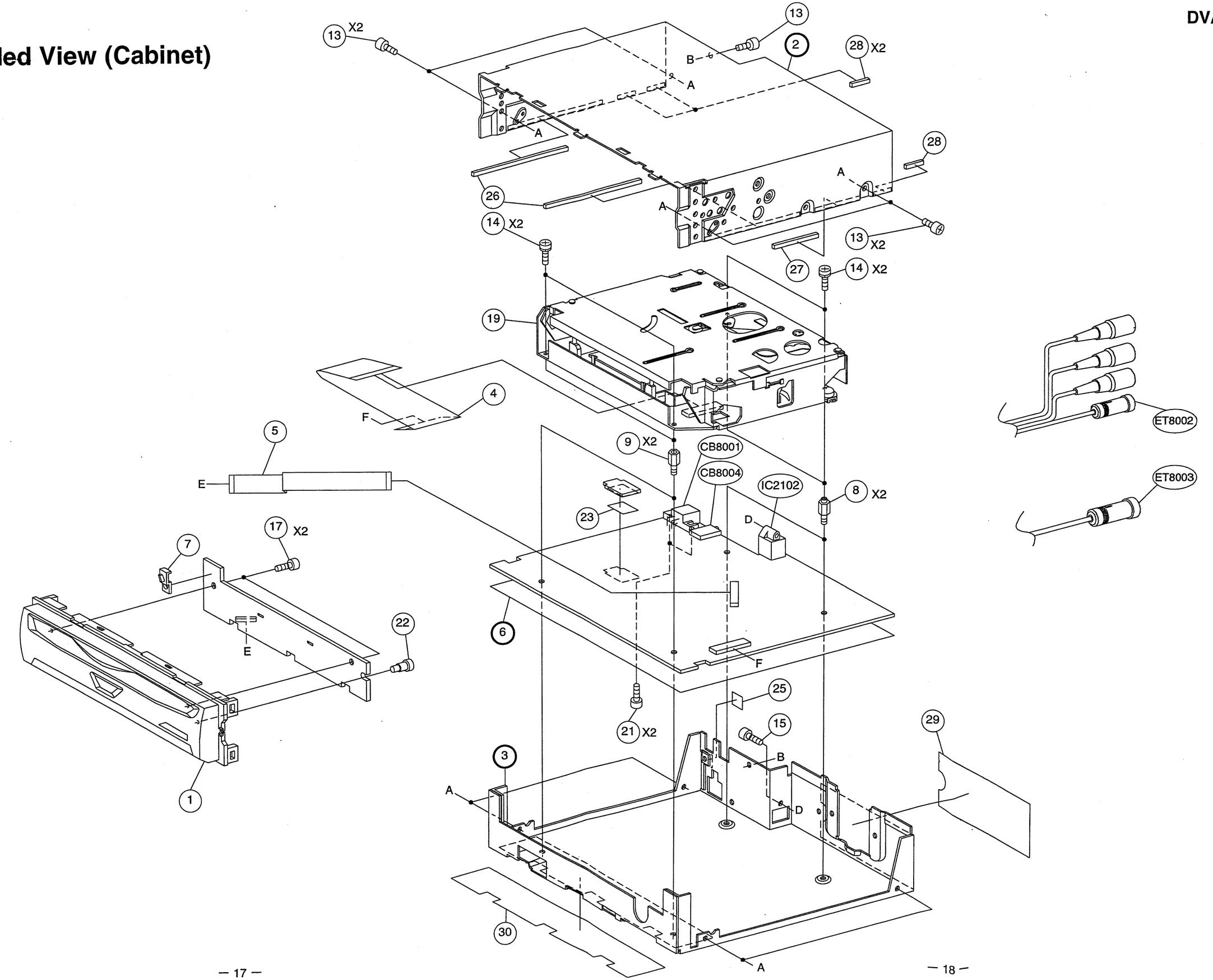
Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		13D22004Y06	NOSE, PIECE ASSY
4		30T25328Y09	FFC, SML2CD-50X97(AD)
5		30T25132Y16	FFC, SML2CD-22X122-.5
7		61A21826Y02	LENS, POW
8		47A21838Y01	SHAFT, A
9		47A21839Y01	SHAFT, B
13		03S38013W66	SCR, T-TITE M2.6X5
14		03S40014G06	SCR, MCH M2.6X5
15		03S68555F01	SCR, WAVE M3X8
17		03S70494F01	SCR, P-TITE M2X5.BI
19		81D31613Y01	DV35A040, DVD MECH
21		03S70494F47	SCR, P-TITE M3X8
22		47A40459Y01	SHAFT, GND
23		14S50096Y37	INS, CVR 19X15XT0.188
25		14S50096Y39	INS, CVR 8X8XT0.1
26		75S40755Y79	CUS, RUB 71X3XT2
27		75S40755Y80	CUS, RUB 29X3XT2
28		75S40755Y81	CUS, RUB 12X3XT2
29		14A51459Y01	INS, CVR FAN
30		14A51460Y01	INS, CVR BOT

Symbol No.	Index	Part No.	Description

Exploded View (Cabinet)



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